



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services

D'ARCY DIXON PIGNANELLI
Executive Director

Division of Facilities Construction and Management

F. KEITH STEPAN
Director

ADDENDUM #1

Date: 12 May 2006

To: Contractors

From: Lynn Hinrichs, DFCM – Project Manager

Reference: Price Regional Office

Department of Natural Resources

DFCM # 02133500

Subject: **Addendum No. 1**

Pages	Cover Page	1 page
	Facilities Program	98 pages
	Total	99 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

1.1 Facilities Program

**PROGRAM FOR NEW
REGIONAL OFFICE BUILDING
PRICE, UTAH**

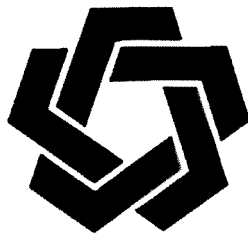
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State of Utah—Department of Administrative Services

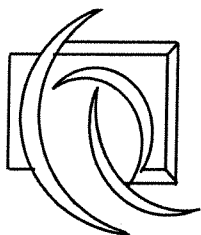
**DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT**

4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018



**STATE OF UTAH
NATURAL RESOURCES**

**THIRD DRAFT
AUGUST 20, 2002**



M.L. WOOLLEY ARCHITECTURE
867 3rd Avenue
Salt Lake City, Utah 84103
Phone: (801) 580-2187 Fax: (801) 933-5635
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TAB A: DIVISION OF WILDLIFE RECOURSES

PAGE	SPACE	NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF	SUBTOTAL COST
DWR 1. 1	Regional Administrator	150	1	150	200	75%	\$ 95.00	\$ 19,000.00
DWR 1. 2	Office Manager	81	1	81	108	75%	\$ 92.00	\$ 9,936.00
DWR 1. 3	Accounting Tech III	81	1	81	108	75%	\$ 92.00	\$ 9,936.00
DWR 1. 4	Office Tech II	64	1	64	85	75%	\$ 92.00	\$ 7,850.67
DWR 1. 5	Support Serv. Coord.	100	1	100	133	75%	\$ 95.00	\$ 12,666.67
DWR 1. 6	Lieutenant	100	1	100	133	75%	\$ 95.00	\$ 12,666.67
DWR 1. 7	Sergeant	81	1	81	108	75%	\$ 95.00	\$ 10,260.00
DWR 1. 8	Investigator II	81	1	81	108	75%	\$ 95.00	\$ 10,260.00
DWR 1. 9	Conservation Officer	64	2	128	171	75%	\$ 92.00	\$ 15,701.33
DWR 1. 10	Program Managers	100	4	400	533	75%	\$ 95.00	\$ 50,666.67
DWR 1. 11	Biologist II	64	6	384	512	75%	\$ 92.00	\$ 47,104.00
DWR 1. 12	Tech II	64	1	64	85	75%	\$ 92.00	\$ 7,850.67
DWR 1. 13	Habitat/Facil. Mainten.	64	1	64	85	75%	\$ 92.00	\$ 7,850.67
DWR 1. 14	Bio Aid (AJ)	49	4	196	261	75%	\$ 92.00	\$ 24,042.67
DWR 1. 15	Growth	81	5	405	540	75%	\$ 95.00	\$ 51,300.00
DWR 1. 16	Evidence Storage	144	1	144	192	75%	\$ 87.00	\$ 16,704.00
DWR 1. 17	Evidence Holding	100	1	100	133	75%	\$ 87.00	\$ 11,600.00
DWR 1. 18	File Room	200	1	200	267	75%	\$ 85.00	\$ 22,666.67
DWR 1. 19	Map Room	280	1	280	373	75%	\$ 85.00	\$ 31,733.33
DWR 1. 20	Narcotic Storage	36	1	36	48	75%	\$ 95.00	\$ 4,560.00
TOTAL				3,139	4,185	75%	\$ 91.83	\$ 384,356.00

DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/02/02

DIVISION	NET	GROSS	FACTOR	COST/SF	SUBTOTAL	COST
DWR ~ WILDLIFE RESOURCES						
TOTAL	3,139	4,185	75%	\$ 91.83	\$	384,356
OGM ~ OIL GAS & MINES						
TOTAL	1,076	1,437	75%	\$ 90.25	\$	129,736
WATERN RIGHTS ~						
TOTAL	1,011	1,348	75%	\$ 89.71	\$	120,924
FF&S ~ FOREST, FIRE & STATE LANDS						
TOTAL	730	987	74%	\$ 95.95	\$	94,719
SHARED						
TOTAL	1,900	2,542	75%	\$ 101.20	\$	257,208
BUILDING SUPPORT						
TOTAL	1,886	2,178	87%	\$ 103.60	\$	225,588
BUILDING TOTAL	9,742	12,677	77%	\$ 95.65	\$	1,212,532
SITE COST						
UTILITIES		DONATED			\$	-
SITE DEVELOPMENT		63,643 SQ. FT. @	\$	4.05	\$	257,753
Chain link fence w/mow strip		1,200 LIN. FT. @	\$	23.50	\$	28,200
Gravel 3"		30,000 SQ. FT. @	\$	0.22	\$	6,600
ADD FOR FOUNDATION		12,677 SQ. FT. @	\$	4.05	\$	51,343
TOTAL SITE					\$	343,896
TOTAL FOR CONSTRUCTION					\$	1,556,428
TOTAL FOR FURNISHINGS & MOVEING					\$	104,190
OUT BUILDINGS		(6) 30'D X 60'W BUILDINGS			\$	810,000

TAB B: OIL GAS & MINES

PAGE	SPACE	NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF	SUBTOTAL COST
OGM	1. 1	Reclamation Specialists Supervisor (Coal)	81 1	81	108	75%	\$ 95.00 \$	10,260
OGM	1. 2	Reclamation Specialists (Coal)	64 3	192	256	75%	\$ 95.00 \$	24,320
OGM	1. 3	Reclamation Specialists (Oil & Gas)	64 2	128	171	75%	\$ 92.00 \$	15,701
OGM	1. 4	Guest Office Tech III/Field	64 1	64	85	75%	\$ 92.00 \$	7,851
OGM	1. 5	Engineer	81 1	81	108	75%	\$ 95.00 \$	10,260
OGM	1. 6	Map Room	280 1	280	373	75%	\$ 85.00 \$	31,733
OGM	1. 7	File Room	200 1	200	267	75%	\$ 85.00 \$	22,667
OGM	1. 8	Sample Storage Rm.	50 1	50	69	72%	\$ 100.00 \$	6,944
TOTAL				1,076	1,437	75%	\$ 90.25 \$	129,736

TAB C: WATER

PAGE	SPACE	NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF	SUBTOTAL COST
W 1. 1	Regional Engineer Asst. Regional	150	1	150	200	75%	\$ 95.00 \$	19,000.00
W 1. 2	Engineer III Water Rights Specialist	100	1	100	133	75%	\$ 95.00 \$	12,666.67
W 1. 3	III	100	1	100	133	75%	\$ 95.00 \$	12,666.67
W 1. 4	Office Tech III	81	1	81	108	75%	\$ 95.00 \$	10,260.00
W 1. 5	Engineer Tech II	64	1	64	85	75%	\$ 92.00 \$	7,850.67
W 1. 6	Storage	36	1	36	48	75%	\$ 85.00 \$	4,080.00
W 1. 7	File Storage	200	1	200	267	75%	\$ 85.00 \$	22,666.67
W 1. 8	Map Room	280	1	280	373	75%	\$ 85.00 \$	31,733.33
TOTAL				1,011	1,348	75%	\$ 89.71 \$	120,924.00

TAB D: FORESTRY, FIRE & STATE LANDS

PAGE	SPACE	NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF		SUBTOTAL COST
FF&S	1. 1	Fire Warden Forest Stewardship	150 1	150	208	72%	\$	95.00 \$	19,791.67
FF&S	1. 2	Specialist	100 1	100	139	72%	\$	95.00 \$	13,194.44
FF&S	1. 3	Storage	100 1	100	133	75%	\$	85.00 \$	11,333.33
FF&S	1. 4	Map/ Work Room	280 1	280	373	75%	\$	85.00 \$	31,733.33
FF&S	1. 5	Shower	100 1	100	133	75%	\$	140.00 \$	18,666.67
TOTAL				730	987	74%	\$	95.95 \$	94,719.44

TAB E: SHARED SPACE

PAGE	SPACE	NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF	SUBTOTAL COST
S 1. 1	Large Conference	400	1	400	533	75%	\$ 107.00	\$ 57,066.67
S 1. 2	Small Conference	150	1	150	208	72%	\$ 97.00	\$ 20,208.33
S 1. 3	Library	250	1	250	333	75%	\$ 97.00	\$ 32,333.33
S 1. 4	Lobby	400	1	400	533	75%	\$ 107.00	\$ 57,066.67
S 1. 5	Work Room Print, Plot, Fax,	300	1	300	400	75%	\$ 97.00	\$ 38,800.00
S 1. 6	Typing & Mail	150	1	150	200	75%	\$ 97.00	\$ 19,400.00
S 1. 7	Break Room	250	1	250	333	75%	\$ 97.00	\$ 32,333.33
TOTAL				1,900	2,542	75%	\$ 101.20	\$ 257,208.33

TAB F ~ BUILDING SUPPORT

PAGE			NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF		SUBTOTAL COST
B	1. 1	Janitor Closet	36	1	36	45	80%	\$	105.00	\$ 4,725.00
B	1. 2	Toilets	360	2	720	720	100%	\$	140.00	\$ 100,800.00
B	1. 3	Building Storage	500	1	500	625	80%	\$	85.00	\$ 53,125.00
B	1. 4	Mechanical Room	150	1	150	188	80%	\$	85.00	\$ 15,937.50
B	1. 5	Fan Room	300	1	300	375	80%	\$	85.00	\$ 31,875.00
B	1. 6	Main Elec. Closet	90	1	90	113	80%	\$	85.00	\$ 9,562.50
B	1. 7	Communications Clo.	90	1	90	113	80%	\$	85.00	\$ 9,562.50
TOTAL					1,886	2,178	87%	\$	103.60	\$ 225,587.50

TAB G ~ OUT BUILDINGS

		NET EA. RM.	QUANTITY	NET	GROSS	FACTOR	COST/SF		SUBTOTAL COST
PAGE	SPACE								
OB 1. 1	Storage Shed	1,800	6	10,800	10,800	100%	\$ 75.00	\$	810,000.00
TOTAL				10,800	10,800	100%	\$ 75.00	\$	810,000.00

PROJECT: 200132.00 : OFFICE SPACE
M H T N ARCHITECTS

Preparation Date AUGUST 2 2002

Gross Square Feet 12741

Cost Opinion by : MHTN - COST CONTROL
COST OPINION : PRE-CONSTRUCTION-DETAILED

Cost Based on
Bid Date 3 2003

	COST PER SF		TOTAL
SITE WORK IMPROVEMENTS	\$ 19.37		\$ 246,749
EARTH WORK UNDER THE BUILDING	\$ 0.53		\$ 6,743
CONCRETE	\$ 5.75		\$ 73,203
MASONRY/ EXTERIOR SKIN	\$ 5.71		\$ 72,709
METALS	\$ 8.72		\$ 111,074
WOODS AND PLASTICS	\$ 1.55		\$ 19,765
THERMAL AND MOISTURE PROTECTION	\$ 8.47		\$ 107,918
DOORS AND WINDOWS	\$ 6.88		\$ 87,636
FINISH	\$ 9.27		\$ 118,080
SPECIALTIES	\$ 0.53		\$ 6,795
EQUIPMENT	\$ 0.49		\$ 6,268
CONVEYING SYSTEMS	\$ -		\$ -
MECHANICAL	\$ 21.29		\$ 271,279
ELECTRICAL	\$ 12.24		\$ 156,006
	<u>\$ 100.80</u>		<u>\$ 1,284,226</u>
UNDEFINED BUILDING ELEMENTS	\$ 5.04	5.00%	\$ 64,211
INFLATION ALLOWANCE	\$ 2.02	2.00%	\$ 25,685
GENERAL CONDITIONS	\$ 5.04	5.00%	\$ 64,211
BONDING	\$ 1.01	1.00%	\$ 12,842
PROFIT AND OVERHEAD	\$ 5.04	5.00%	\$ 64,211
CONSTRUCTION SUB TOTAL	<u>\$ 118.94</u>		<u>\$ 1,515,387</u>

	BUILDING COST		SUB TOTALS
BUILDING ONLY	\$ 96.09 PSF	12,741	\$ 1,224,224
SITE ONLY	\$ 22.85 PSF	87184	\$ 291,163
ADD FOR FOUNDATION	\$ 4.05 SQ. FT	12741	\$ 51,599
	TOTAL CONSTRUCTION		\$ 1,566,987

ITEMS NOT INCLUDED IN COST OPINION

LAND COST
 DESIGN FEE
 INTERIOR FURNISHINGS
 SPECIAL SYSTEMS - COMPUTER WIRING - PHONE HAND SETS - OTHER
 MOVABLE EQUIPMENT
 MOVING COSTS
 COST TO BRING ROADS OR UTILITIES TO SITE
 UNUSUAL SITE CONDITIONS
 HIGH WATER TABLE
 LOW SOIL BEARING PRESSURES
 ROCK EXCAVATION
 SLOPING SITE

SITE WORK**DEMOLITION IF NEEDED TO PREPARE THIS SITE FOR CONSTRUCTION**

	IF NEEDED				
SELECTIVE DEMOLITION	0 SF	\$	2.00	\$	-
PAVING DEMOLITION	0 SF	\$	0.30	\$	-
UTILITIES DEMOLITION	0 LF	\$	2.00	\$	-
BUILDING DEMOLITION	0 SF	\$	3.00	\$	-
HAZARDOUS MATERIALS (BY OTHERS)	0 LF	\$	13.00	\$	-
CONTAMINATED SOIL	0 CY	\$	85.00	\$	-
ALLOW FOR DATA VAULT AT SITE	0 SUM	\$	6,500.00	\$	-

EARTH WORK

CLEAR AND ROUGH GRADE	99925 SF	\$	0.05	\$	4,996
ALLOW FOR SITE CUT AND FILL	3701 CY	\$	3.00	\$	11,103
FINISH GRADE	87184 SF	\$	0.08	\$	6,975

SITE IMPROVEMENTS

CHAIN LINK FENCE W/ MOW STRIP	1,200 LF	\$	23.50	\$	28,200
HARDSCAPE, PAVING -ASPHALT & CONCRETE	39747 SF	\$	2.50	\$	99,368
GRAVEL PAVING 3"	30000 SF	\$	0.22	\$	6,600
* PLANTING , DROUGHT TOLERANT	17437 SF	\$	2.00	\$	34,874
* FLAGPOLE 30'	1 EA	\$	1,875.00	\$	1,875
* PIPE BOLLARDS ACCESS CONTROL ALLOW)	8 EA	\$	180.00	\$	1,440
STRIPING FOR ASPHALT	79 EA	\$	5.00	\$	397
GARBAGE ENCLOSURE	1 SUM	\$	3,500	\$	3,500
MAIN SITE SIGN (COMPANY NAME ETC.)	1 EA	\$	1,500.00	\$	1,500
TREES 2 1/2" ALLOW 1 PER 5000 SF SITE	14 EA	\$	305.00	\$	4,265

SITE UTILITIES

WATER DISTRIBUTION	75 LF	\$	32.00	\$	2,400
SEWERAGE	75 LF	\$	32.00	\$	2,400
FIRE HYDRANT (ALLOW)	1 EA	\$	2,875.00	\$	2,875

SITE DRAINAGE	39747 EA	\$	0.15	\$	5,962
MANHOLE (ALLOW)	2 EA	\$	4,850.00	\$	9,693
WATER METER VAULT	12741 SF	\$	0.05	\$	637
ELECTRICAL DISTRIBUTION BY ELECTRIC CO	75 LF	\$	32.00	\$	2,400
GAS DISTRIBUTION BY GAS CO.	75 LF	\$	4.00	\$	300
SITE LIGHTING	99925 SF	\$	0.15	\$	14,989
				\$	<u>246,749</u>

EARTH WORK AT BUILDING

CUT WORK AT BUILDING FOOTINGS	227 CY	\$	5.00	\$	1,135
CUT WORK AT BUILDING FLOOR	472 CY	\$	4.00	\$	1,887
BACKFILL	227 CY	\$	6.00	\$	1,362
HAUL OFF SITE OR SPREAD ON SITE	472 CY	\$	5.00	\$	2,359
STRUCTURAL FILL UNDER FOOTINGS	0 CY	\$	-	special earth work	
STRUCTURAL FILL UNDER FLOOR SLAB	0 CY	\$	-	seacial earth work	
				\$	<u>6,743</u>

CONCRETE

ALL CONCRETE COSTS INCLUDE NORMAL REINFORCING

CONTINUOUS FOOTING	70 CY	\$	225.00	\$	15,802
SPOT FOOTINGS	16 EA	\$	180.00	\$	2,925
SLAB ON GRADE 4" W/ GRAVEL BASE					
AND 6" X 6" WWF REINFORCING	12741 SF	\$	3.00	\$	38,222
FOUNDATION WALL 8" TO 12" THICK 2' 6" H	1354 SF	\$	12.00	\$	16,254
				\$	<u>73,203</u>

MASONRY / EXTERIOR SKIN

EXTERIOR FINISH INFORMATION ABOVE	5960 SF	\$	11.00	\$	65,557
ALLOWANCE FOR WINDOW SILL AND RETURN	397 LF	\$	18.00	\$	7,152
				\$	<u>72,709</u>

METALS

COLUMNS	1.25	LB PER SF	NORMAL IS 1.0 TO 2.5
ROOF	5.5	LB PER SF	NORMAL IS 5 TO 6
MISC. STEEL	0.1	LB PER SF	NORMAL IS .5 TO 2

COLUMNS WF SHAPES	8.0 TON	\$	1,750.00	\$	13,935
ROOF STRUCTURE JOIST	35.0 TON	\$	1,750.00	\$	61,314
ANGLE AT EXTERIOR WALL	542 LF	\$	12.50	\$	6,772
MISC. STEEL	0.64 TON	\$	2,250.00	\$	1,433
ROOF DECK	12741 SF	\$	1.60	\$	20,385
STEEL LADDER TO ROOF	11 LF	\$	42.00	\$	462
WALL CAP	542 LF	\$	12.50	\$	6,772
				\$	<u>111,074</u>

WOOD AND PLASTICS

WALL PLATES BOLTED AND SHAPED	542 LF	\$	5.00	\$	2,709
MISC. ROUGH CARPENTRY	12741 SF	\$	0.15	\$	1,911
VANITY - PLASTIC LAMINATE	16 LF	\$	65.00	\$	1,040
KITCHEN CABINETS BASE CABINET	18 LF	\$	200.00	\$	3,600
KITCHEN CABINETS UPPER CABINET	8 LF	\$	95.00	\$	760
ENTRY RECEPTION DESK / SERVICE WINDOW	15 LF	\$	225.00	\$	3,375
MISC. CASEWORK SHELVING AND DISPLAY	12741 SF	\$	0.50	\$	6,370
				\$	<u>19,765</u>

THERMAL AND MOISTURE PROTECTION

FOUNDATION INSULATION	1354 SF	\$	1.50	\$	2,032
EXTERIOR WALL INSULATION R 19	5960 SF	\$	0.55	\$	3,278
SOUND INSULATION (ALLOW)	8600 SF	\$	0.50	\$	4,300
ROOFING STANDING SEAM	14015 SF	\$	5.50	\$	77,081
ROOF INSULATION BATT	12741 SF	\$	0.65	\$	8,281
ROOFING SPECIALTIES	12741 SF	\$	0.05	\$	637
SOFFIT FINISH, METAL PANEL (ALLOW)	1354 SF	\$	8.50	\$	11,513
ALLOW FOR SEALANT	637 LF	\$	1.25	\$	796
				\$	<u>107,918</u>

DOORS AND WINDOWS

* DOORS EXTERIOR STORE FRONT AND SIDE LITE					
COMPLETE HARDWARE, 6' X 7'	1 EA	\$	2,295.00	\$	2,295
DOORS EXTERIOR STORE FRONT AND SIDE LITE					
COMPLETE HARDWARE, 3' X 7'	1 EA	\$	1,250.00	\$	1,250
DOORS INTERIOR WOOD OR HOLLOW METAL					
COMPLETE HARDWARE, PAINTED	25 EA	\$	595.00	\$	14,875
* POWER OPERATOR FRONT DOOR	3 EA	\$	3,280.00	\$	9,840
POWER OPERATOR TOILET ROOM DOORS	2 EA	\$	1,850.00	\$	3,700
INTERIOR GLASS AND GLAZING	100 SF	\$	18.00	\$	1,800
PUNCHED WINDOWS	1907 SF	\$	22.00	\$	41,957
STORE FRONT WINDOWS	477 SF	\$	25.00	\$	11,920
WINDOW WALL GLAZING SYSTEM	0 SF	\$	38.00	\$	-
				\$	<u>87,636</u>

average window price
\$ 24.60

FINISH

EXTERIOR METAL STUDS 4" TO 6"	5960 SF	\$	1.45	\$	8,642
INTERIOR WALLS STUDS GYP. TWO SIDES	8600 SF	\$	3.50	\$	30,100
GYP FINISHED AT EXTERIOR WALL	5960 SF	\$	1.25	\$	7,450
GYP SHEATHING AT EXTERIOR WALL	5960 SF	\$	1.00	\$	5,960
FLOOR FINISH CARPET AND BASE 75%	354 SF	\$	24.50	\$	8,671
FLOOR FINISH CERAMIC TILE & BASE 5%	637 SF	\$	9.00	\$	5,733
FLOOR FINISH VCT 20%	2548 SF	\$	1.25	\$	3,185
WALL FINISH UPGRADED 10%	860 SF	\$	1.50	\$	1,290
WALL FINISH CERAMIC TILE 15%	1290 SF	\$	9.00	\$	11,610
WALL FINISH PAINT 75%	17370 SF	\$	0.50	\$	8,685
CEILING FINISH EXPOSED 5%	637 SF	\$	-	\$	-
CEILING SUSPENDED GYPSUM 20%	1274 SF	\$	4.00	\$	5,096
CEILING FINISH LAY IN TILE 75%	10830 SF	\$	2.00	\$	21,659
				\$	<u>118,080</u>

SPECIALTIES

FIRE EXTINGUISHER IN CABINET	2 EA	\$	235.00	\$	470
TOILET PARTITIONS	6 EA	\$	580.00	\$	3,480
URINAL SCREEN	1 EA	\$	115.00	\$	115
BATHROOM SPECIALTIES	3 EA	\$	380.00	\$	1,140
SHOWER AND SPECIALTIES	1 EA	\$	1,260.00	\$	1,260
SIGNAGE ALLOW	15 EA	\$	22.00	\$	330
				\$	<u>6,795</u>

EQUIPMENT

WINDOW BLINDS	2384 SF	\$	2.00	\$	4,768
BREAK ROOM EQUIPMENT	1 EA	\$	1,500.00	\$	1,500
				\$	<u>6,268</u>

CONVEYING SYSTEMS

ELEVATOR SIZE AND SPEED NEEDED	0 SF	\$	1.75		\$0
				\$	<u>-</u>

MECHANICAL

FIXTURES ALLOW					
SERVICE SINK	1 EA	\$	890.00	\$	890
SINKS KITCHEN TYPE	4 EA	\$	350.00	\$	1,400
SINKS HAND	8 EA	\$	295.00	\$	2,360
WATER CLOSETS	6 EA	\$	480.00	\$	2,880
URINALS	2 EA	\$	480.00	\$	960
SHOWER	1 EA	\$	2,500.00	\$	2,500
DRINKING FOUNTAIN DUAL	1 EA	\$	1,850.00	\$	1,850
FLOOR DRAINS	4 EA	\$	145.00	\$	580
ROUGH IN FOR PLUMBING	27 EA	\$	580.00	\$	15,660

HVAC BOILER SYSTEM WITH VAV AND VFD	12741 SF	\$	18.00		
FACTOR FOR OPEN OR ENCLOSED OFFICE		\$	17.01	\$	216,718
HVAC CONTROLS	12741 SF	\$	2.00	\$	25,481
FIRE SPRINKLER	0 SF	\$	1.55	\$	-
TOTAL		\$	21.29	\$	<u>271,279</u>

ELECTRICAL

SITE LIGHTING				IN SITE COS	
MAIN DISTRIBUTION	12741 SF	\$	2.00	\$	25,481
BRANCH CONDUIT AND WIRE	12741 SF	\$	3.00	\$	38,222
POWER DISTRIBUTION	12741 SF	\$	1.75	\$	22,296
LIGHTING	12741 SF	\$	3.00	\$	38,222
LIGHTING CONTROL	12741 SF	\$	0.35	\$	4,459
ALARM SYSTEMS	12741 SF	\$	0.70	\$	8,918
SECURITY SYSTEMS	12741 SF	\$	0.30	\$	3,822
PHONE AND DATA (CONDUIT ONLY)	12741 SF	\$	0.25	\$	3,185
SECURITY CAMERAS	0 EA	\$	2,850.00	\$	-
SECURITY DOOR CONTROL (CARD KEY)	5 EA	\$	2,645.00	\$	11,400
GENERATOR	1 EA	\$	-	\$	-
		\$	12.24	\$	<u>156,006</u>

DIVISION: Wildlife RESOURCES

SPACE: REGIONAL WILDLIFE ADMINISTRATOR

QUANTITY: 1

NET EACH: 150

TOTAL NET: 150

OCCUPANTS: 1

TOTAL GROSS: 200

GUESTS: 5

FUNCTIONS:

- Office for the DWR Regional Administrator.
- Small conferencing w/ staff and public.
- Supervises office staff & manages budgets.

EQUIPMENT/FURNITURE:

- Furniture
 - Desk with credenza
 - Desk chair
 - 5 guest chairs
 - Conference table
 - Shelving
- Computer

NOTES:

- Natural light desired

RELATIONSHIP:

Close to Office Mgr. and Support Services Coordinator.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: OFFICE FUNCTION

MECHANICAL:

HVAC:

- STANDARD OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

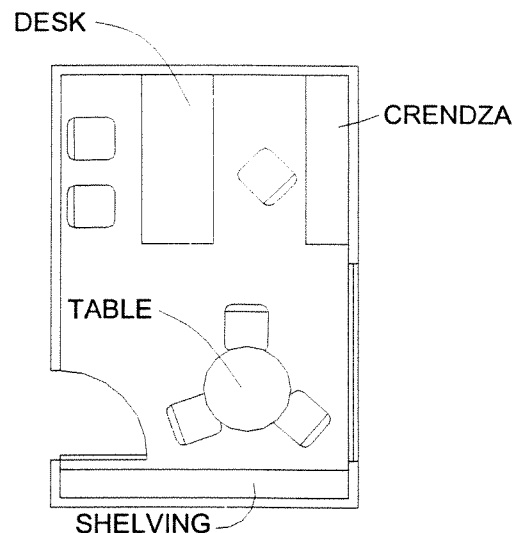
- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DIVISION: Wildlife RESOURCES

SPACE: OFFICE MANAGER II

QUANTITY: 1

NET EACH: 81

TOTAL NET: 81

OCCUPANTS: 1

TOTAL GROSS: 108

GUESTS: 1

FUNCTIONS:

- Open Office for Office Manager.
- Small conferencing w/ support staff.
- Manager of support staff.

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - 1 guest chair
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired

RELATIONSHIP:

Close to Support Coordinator, front counter and support staff.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 8' MIN.

SECURITY:

LOCKS: OFFICE FUNCTION

MECHANICAL:

HVAC:

- STANDARD OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

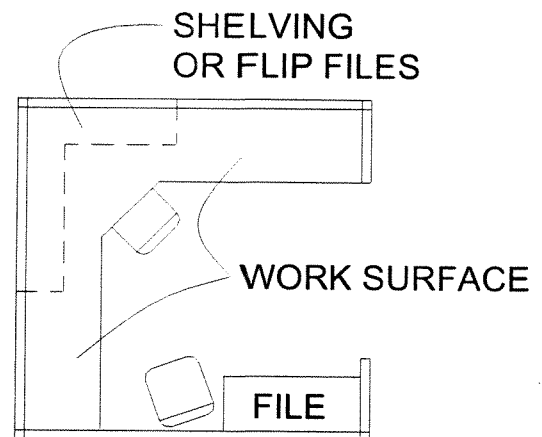
- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DIVISION: Wildlife RESOURCES

SPACE: ACCOUNTING TECH III

QUANTITY:	1	NET EACH:	81
TOTAL NET:	81	OCCUPANTS:	1
TOTAL GROSS:	113	GUESTS:	0

FUNCTIONS:

- Office for Accounting Tech III.
- Support staff
- Reception.
- Assists the public.
- License/permit sales

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

Close to front counter and other support staff.
Reports to DWR 1.2.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

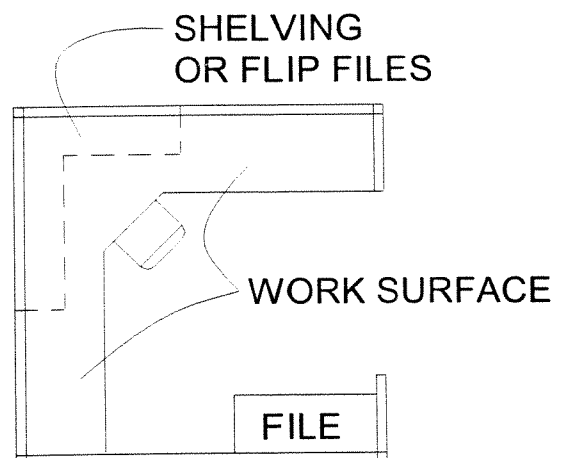
- HVAC:**
- STANDARD OPEN OFFICE ENVIRONMENT
 - INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
 - ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

- LIGHTING:**
- 50 FC, LOW GLARE FLOURESCENT
 - OCCUPANCY SENSOR W/ MANUAL OFF
- OUTLETS:**
- DUPLEX RECEPTACLE PER WALL MIN.
- PHONE/DATA:**
- 2 VOICE/DATA OUTLETS
- SPECIAL SYSTEMS:**
- HORN/STROBE

SPACE GRAPHIC:



DIVISION: Wildlife RESOURCES
SPACE: OFFICE TECH II

QUANTITY: 1	NET EACH: 64
TOTAL NET: 64	OCCUPANTS: 1
TOTAL GROSS: 85	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Office for OfficeTech II. Support staff Reception. Assists the public License/permit sales.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
Close to Account Tech.
Reports to DNR 1.2

FINISHES:
WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
HVAC:
<ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
LIGHTING:
<ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF
OUTLETS:
<ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN.
PHONE/DATA:
<ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS
SPECIAL SYSTEMS:
<ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES
SPACE: SUPPORT SERVICES COORDINATOR

QUANTITY: 1	NET EACH: 100
TOTAL NET: 100	OCCUPANTS: 1
TOTAL GROSS: 133	GUESTS: 2

FUNCTIONS: <ul style="list-style-type: none"> Office for Support Services Coordinator. Small conferencing w/ staff. Supervises DNR 1.3 & 1.4. Manages DNR budgets.

EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair 1 guest chair Shelving or Flipper door Lat. Files Computer
--

NOTES: <ul style="list-style-type: none"> Natural light desired

RELATIONSHIP: Close to Regional Mgr. and Office mgr.
--

FINISHES: WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.

SECURITY: LOCKS: OFFICE FUNCTION
MECHANICAL: HVAC: <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS:

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES

SPACE: WILDLIFE LIEUTENANT

QUANTITY: 1

NET EACH: 100

TOTAL NET: 100

OCCUPANTS: 1

TOTAL GROSS: 133

GUESTS: 2

FUNCTIONS:

- Office for Wildlife Lieutenant.
- Small conferencing w/ informants.
- Law enforcement function.
- Supervises DWR 1.6 & 1.7.

EQUIPMENT/FURNITURE:

- Furniture
 - Desk with credenza
 - Desk chair
 - 2 guest chairs
 - Built-in Shelving
 - Lat. Files
- Computer

NOTES:

- Natural light desired

RELATIONSHIP:

In proximity to other law enforcement staff. Close to an exit with a back door entrance.

Reports to Regional Wildlife Administrator

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 8' MIN.

SECURITY:

LOCKS: OFFICE FUNCTION

MECHANICAL:

HVAC:

- STANDARD OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

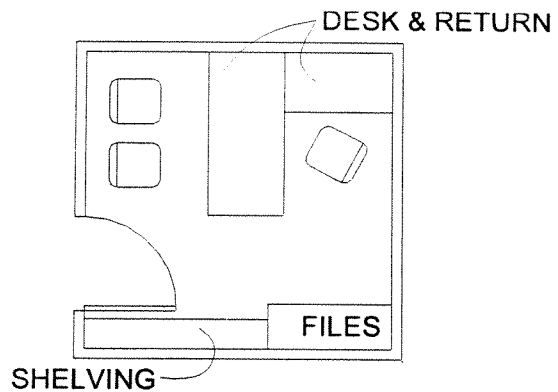
- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: Wildlife RESOURCES

SPACE: DWR SARGENT

QUANTITY:	1	NET EACH:	81
TOTAL NET:	81	OCCUPANTS:	1
TOTAL GROSS:	108	GUESTS:	0

FUNCTIONS:

- Office for Sargent.
- Support staff
- Law Enforcement.
- Supervises 6 Conservation Field Officers – 2 in Price area.

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

In proximity to other law enforcement staff. Close to an exit with a back door entrance.

Repots to DWR 1.6.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

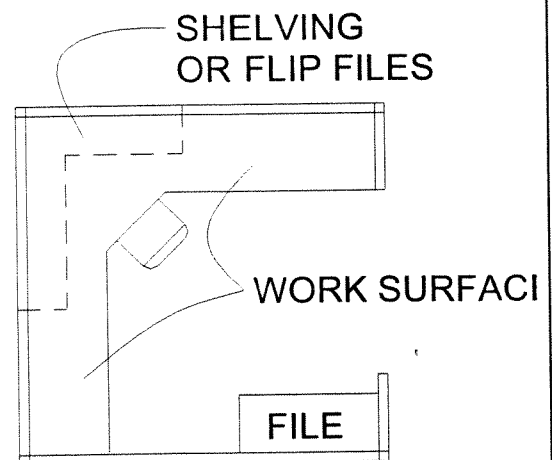
- HVAC:**
- STANDARD OPEN OFFICE ENVIRONMENT
 - INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
 - ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

- LIGHTING:**
- 50 FC, LOW GLARE FLOURESCENT
 - OCCUPANCY SENSOR W/ MANUAL OFF
- OUTLETS:**
- DUPLEX RECEPTACLE PER WALL MIN.
- PHONE/DATA:**
- 2 VOICE/DATA OUTLETS
- SPECIAL SYSTEMS:**
- HORN/STROBE

SPACE GRAPHIC:



DIVISION: Wildlife RESOURCES
SPACE: DWR WILDLIFE INVESTIGATOR II

QUANTITY: 1	NET EACH: 81
TOTAL NET: 81	OCCUPANTS: 1
TOTAL GROSS: 113	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Office for Wildlife Investigator II Support staff Law Enforcement.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
In proximity to other law enforcement staff. Close to an exit with a back door entrance.
Reports to DWR 1.6

FINISHES:
<p>WALL: GYPSUM BOARD</p> <p>BASE: RUBBER, VINYL, or CARPET</p> <p>FLOOR: CARPET</p> <p>CEILING: 2X4 GRID</p> <p>CEILING HT: 9' MIN.</p>

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES
SPACE: CONSERVATION OFFICER

QUANTITY: 2	NET EACH: 64
TOTAL NET: 128	OCCUPANTS: 1
TOTAL GROSS: 171	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Office for 6 Conservation Officers (3 ea. station).

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
In proximity to other law enforcement staff. Close to an exit with a back door entrance.
Reports to DWR 1.7.

FINISHES:
<p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.</p>

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES
SPACE: WILDLIFE PROGRAM MANAGERS

QUANTITY: 4	NET EACH: 100
TOTAL NET: 400	OCCUPANTS: 1
TOTAL GROSS: 533	GUESTS: 2

FUNCTIONS: <ul style="list-style-type: none"> Office for Program Managers. Small conferencing w/ Wildlife Biologists & Tech's.

EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Desk with credenza Desk chair 2 guest chairs Built-in Shelving Lat. Files Computer
--

NOTES: <ul style="list-style-type: none"> Natural light desired

RELATIONSHIP: Conservation Outreach Manager – does not supervise. Wildlife Manager – Supervises 1 Wildlife Biologist II & 1 AL Wildlife Biologist II Habitat Manager – Supervises 1 Wildlife Biologist II & 1 AL Wildlife Biologist II Aquatic Manager – Supervises 1 Wildlife Biologist II, 1 AL Wildlife Biologist II and 2 AJ Bio Aids. Repots to DNR 1.1
--

FINISHES: WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.

SECURITY: LOCKS: OFFICE FUNCTION MECHANICAL: HVAC: <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL PLUMBING: NONE ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS:
--

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES
SPACE: DWR WILDLIFE BIOLOGIST II

QUANTITY: 6	NET EACH: 64
TOTAL NET: 384	OCCUPANTS: 1
TOTAL GROSS: 512	GUESTS: 0

FUNCTIONS: <ul style="list-style-type: none"> Office for Wildlife Biologist II Support to Wildlife Program Managers.

EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer
--

NOTES: <ul style="list-style-type: none"> Natural light desired Open Office environment
--

RELATIONSHIP: Close to program mgrs as follows: <ul style="list-style-type: none"> 2 close to Wildlife Manager, 1 supervises a Bio Aids 2 close to Habitat Manager, 1 supervises Wildlife Technician I. 2 close to Aquatic Manager, Supervises Bio Aides

FINISHES: WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.

SECURITY: LOCKS: N/A – open office area MECHANICAL: HVAC: <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL PLUMBING: NONE ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS: <ul style="list-style-type: none"> HORN/STROBE
--

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES

SPACE: DWR WILDLIFE TECH II

QUANTITY:	1	NET EACH:	64
TOTAL NET:	64	OCCUPANTS:	1
TOTAL GROSS:	85	GUESTS:	0

FUNCTIONS:

- Office for Wildlife Tech II
- Support to Wildlife Program Managers.

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

Close to Wildlife section. Reports to Wildlife Manager.

FINISHES:

WALL: GYPSUM BOARD
 BASE: RUBBER, VINYL, or CARPET
 FLOOR: CARPET
 CEILING: 2X4 GRID
 CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

HVAC:

- STANDARD OPEN OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

- DUPLEX RECEPTACLE PER WALL MIN.

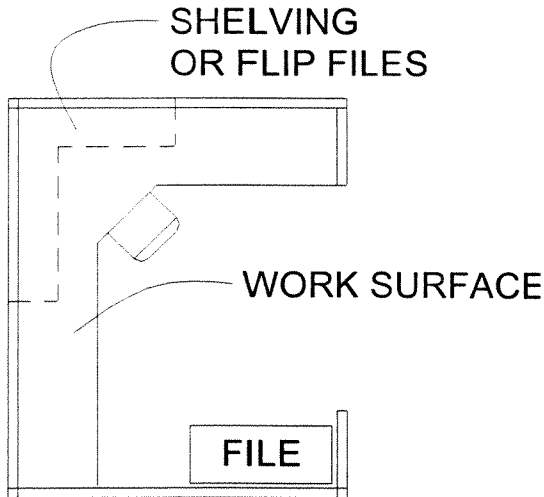
PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

- HORN/STROBE

SPACE GRAPHIC:

<p>DIVISION: Wildlife RESOURCES</p> <p>SPACE: DWR HABITAT/FACILITIES MAINTENANCE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">QUANTITY: 1</td> <td style="width: 50%;">NET EACH: 64</td> </tr> <tr> <td>TOTAL NET: 64</td> <td>OCCUPANTS: 1</td> </tr> <tr> <td>TOTAL GROSS: 85</td> <td>GUESTS: 0</td> </tr> </table>	QUANTITY: 1	NET EACH: 64	TOTAL NET: 64	OCCUPANTS: 1	TOTAL GROSS: 85	GUESTS: 0
QUANTITY: 1	NET EACH: 64						
TOTAL NET: 64	OCCUPANTS: 1						
TOTAL GROSS: 85	GUESTS: 0						
<p>FUNCTIONS:</p> <ul style="list-style-type: none"> ▪ Office for Habitat/Facilities Maintenance ▪ 	<p>EQUIPMENT/FURNITURE:</p> <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Work surface ○ Desk chair ○ Shelving or Flipper door unit ○ Lat. Files ▪ Computer 						
<p>NOTES:</p> <ul style="list-style-type: none"> ▪ Natural light desired ▪ Open Office environment 	<p>RELATIONSHIP:</p> <p>Close to Habitat Section & rear entry.</p> <p>Reports to Habitat Manager and supervises 2 Bio Aides.</p>						
<p>FINISHES:</p> <p>WALL: GYPSUM BOARD</p> <p>BASE: RUBBER, VINYL, or CARPET</p> <p>FLOOR: CARPET</p> <p>CEILING: 2X4 GRID</p> <p>CEILING HT: 9' MIN.</p>							
<p>SECURITY:</p> <p>LOCKS: N/A – open office area</p> <p>MECHANICAL:</p> <p>HVAC:</p> <ul style="list-style-type: none"> ▪ STANDARD OPEN OFFICE ENVIRONMENT ▪ INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ▪ ZONE CONTROL <p>PLUMBING: NONE</p> <p>ELECTRICAL:</p> <p>LIGHTING:</p> <ul style="list-style-type: none"> ▪ 50 FC, LOW GLARE FLOURESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> ▪ DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> ▪ 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> ▪ HORN/STROBE 	<p>SPACE GRAPHIC:</p> 						

DIVISION: Wildlife RESOURCES
SPACE: BIO AID (AJ)

QUANTITY: 4	NET EACH: 49
TOTAL NET: 196	OCCUPANTS: 1
TOTAL GROSS: 261	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Office for Bio Aid (AJ) while not in field.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
Are as follows:
1 With Wildlife
1 With Habitat Maintenance.
2 With Aquatic Section.

FINISHES:
<p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.</p>

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES

SPACE: DWR GROWTH

QUANTITY: 5

NET EACH: 81

TOTAL NET: 405

OCCUPANTS: 1

TOTAL GROSS: 540

GUESTS: 0

FUNCTIONS:

- Future growth area.

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

As Follows:

2 with Wildlife Section.

1 with Aquatic Section.

2 with Habitat Section

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

HVAC:

- STANDARD OPEN OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

- DUPLEX RECEPTACLE PER WALL MIN.

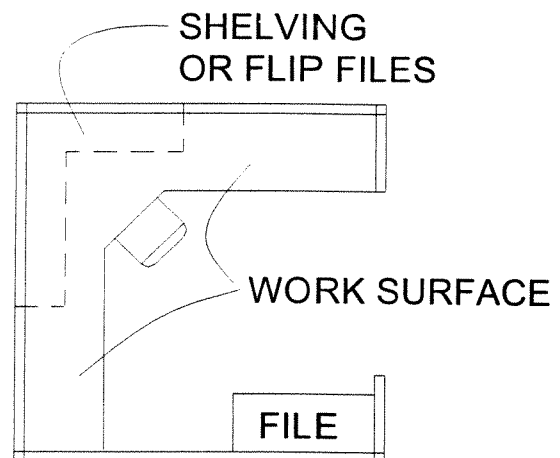
PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

- HORN/STROBE

SPACE GRAPHIC:



<p>DIVISION: Wildlife RESOURCES</p> <p>SPACE: EVIDENCE STORAGE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">QUANTITY: 1</td> <td style="width: 50%;">NET EACH: 144</td> </tr> <tr> <td>TOTAL NET: 144</td> <td>OCCUPANTS: 0</td> </tr> <tr> <td>TOTAL GROSS: 192</td> <td>GUESTS: 0</td> </tr> </table>	QUANTITY: 1	NET EACH: 144	TOTAL NET: 144	OCCUPANTS: 0	TOTAL GROSS: 192	GUESTS: 0
QUANTITY: 1	NET EACH: 144						
TOTAL NET: 144	OCCUPANTS: 0						
TOTAL GROSS: 192	GUESTS: 0						
<p>FUNCTIONS:</p> <ul style="list-style-type: none"> ▪ Secure Storage for evidence. 	<p>EQUIPMENT/FURNITURE:</p> <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Lockable Cabinet ▪ Computer 						
<p>NOTES:</p> <ul style="list-style-type: none"> ▪ Secure, no windows preferred building interior location. 	<p>RELATIONSHIP:</p> <p>Adjacent to Evidence Holding.</p>						
<p>FINISHES:</p> <p>WALL: CMU or Concrete BASE: RUBBER or VINYL, FLOOR: VCT CEILING: GYPSUM BOARD CEILING HT: 8' MIN.</p>							
<p>SECURITY:</p> <p>LOCKS: CARDKEY W/ALARM</p> <p>MECHANICAL:</p> <p>HVAC:</p> <ul style="list-style-type: none"> ▪ STANDARD ENVIRONMENT ▪ INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER <p>PLUMBING: NONE</p> <p>ELECTRICAL:</p> <p>LIGHTING:</p> <ul style="list-style-type: none"> ▪ 30 FC, LOW GLARE FLOURESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> ▪ DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> ▪ 1 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> ▪ CARD READER ▪ INTRUSION DETECTION 	<p>SPACE GRAPHIC:</p> <div style="text-align: center; margin-top: 50px;"> <p>SHELVING</p> <p>LOCKABLE CABINET</p> <p>BASE CABINET WITH SHELVES ABOVE</p> </div>						

DIVISION: Wildlife RESOURCES
SPACE: EVIDENCE HOLDING

QUANTITY: 1	NET EACH: 100
TOTAL NET: 100	OCCUPANTS: 0
TOTAL GROSS: 133	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Secure Storage for evidence.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Lockable Cabinets & Gun Locker (sized for rifles) (2) large safes

NOTES:
<ul style="list-style-type: none"> Secure, no windows preferred building interior location.

RELATIONSHIP:
Adjacent to Evidence Storage.

FINISHES:
<p>WALL: CMU OR CONCRETE BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: GYPSUM BOARD CEILING HT: 8' MIN.</p>

SECURITY:
LOCKS: CARD KEY W/ALARM
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 30 FC, FLUORESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 1 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> CARD READER INTRUSION DETECTION

SPACE GRAPHIC:

DIVISION: Wildlife RESOURCES
SPACE: FILE ROOM

QUANTITY: 1	NET EACH: 200
TOTAL NET: 200	OCCUPANTS: 0
TOTAL GROSS: 267	GUESTS: 1

FUNCTIONS:
<ul style="list-style-type: none"> Secure Storage for Files.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Built-in Shelving (6) Standard Files Work Surface. Desk Chair. Safe (2) Lockable Cabinets Computer

NOTES:
<ul style="list-style-type: none"> Secure, no windows.

RELATIONSHIP:

FINISHES:
<p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2x4 Grid CEILING HT: 8' MIN.</p>

SECURITY:
LOCKS:
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 1 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p>

SPACE GRAPHIC:

DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: Wildlife RESOURCES
SPACE: MAP ROOM

QUANTITY: 1	NET EACH: 280
TOTAL NET: 280	OCCUPANTS: 0
TOTAL GROSS: 373	GUESTS: 1

FUNCTIONS:
<ul style="list-style-type: none"> Storage and area used for viewing maps.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Built-in Shelving Hanging Files (3) Flat files. Desk Chairs 48"X72" Layout table & 36"X48" Light table Work Surface Computer

NOTES:
<ul style="list-style-type: none"> Secure, no windows.

RELATIONSHIP:
Close to Habatat Section.
Used by all Wildlife Program Managers, Biologists, and law Enforcement personnel; Bio aids & Technicians.

FINISHES:
WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2x4 Grid CEILING HT: 8' MIN.

SECURITY:
LOCKS:
MECHANICAL:
HVAC: <ul style="list-style-type: none"> STANDARD ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
PLUMBING: NONE
ELECTRICAL:
LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF
OUTLETS: <ul style="list-style-type: none"> POWER TO LIGHT TABLE. DUPLEX RECEPTACLE PER WALL MIN.
PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS
SPECIAL SYSTEMS:

SPACE GRAPHIC:

DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: Wildlife RESOURCES
SPACE: NARCOTIC STORAGE

QUANTITY: 1	NET EACH: 36
TOTAL NET: 36	OCCUPANTS: 0
TOTAL GROSS: 48	GUESTS: 1

FUNCTIONS:
<ul style="list-style-type: none"> Secure Storage for Files.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Built-in Shelving Base Cabinet Under counter refrigerator w/lock Safe Computer

NOTES:
<ul style="list-style-type: none"> Secure, no windows.

RELATIONSHIP:
Secure location in facility with access by Wildlife Program Manager only. Should be within Wildlife Section.

FINISHES:
WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: GYPSUM BOARD CEILING HT: 8' MIN.

SECURITY:
LOCKS: CARD KEY
MECHANICAL:
HVAC: <ul style="list-style-type: none"> STANDARD ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
PLUMBING:
<ul style="list-style-type: none"> SINK
ELECTRICAL:
LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF
OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL, ABOVE COUNTER AND FOR REF. MIN.
PHONE/DATA: <ul style="list-style-type: none"> 1 VOICE/DATA OUTLETS
SPECIAL SYSTEMS: <ul style="list-style-type: none"> CARD READER INTRUSION DETECTION

SPACE GRAPHIC:

DIVISION: OIL, GAS & MINING
SPACE: OGM SUPERVISOR RECLAMATION (COAL)

QUANTITY: 1	NET EACH: 81
TOTAL NET: 81	OCCUPANTS: 1
TOTAL GROSS: 108	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Supervisor's office for Reclamation Specialists (Coal).

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
In area with other OGM staff.

FINISHES:
WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
HVAC: <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS: <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: OIL, GAS & MINING

SPACE: OGM RECLAMATION SPECIALISTS (COAL)

QUANTITY:	3	NET EACH:	64
TOTAL NET:	192	OCCUPANTS:	1
TOTAL GROSS:	256	GUESTS:	0

FUNCTIONS:

- Office for Reclamation Specialists (Coal).

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

In same area as other OGM staff.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

HVAC:

- STANDARD OPEN OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

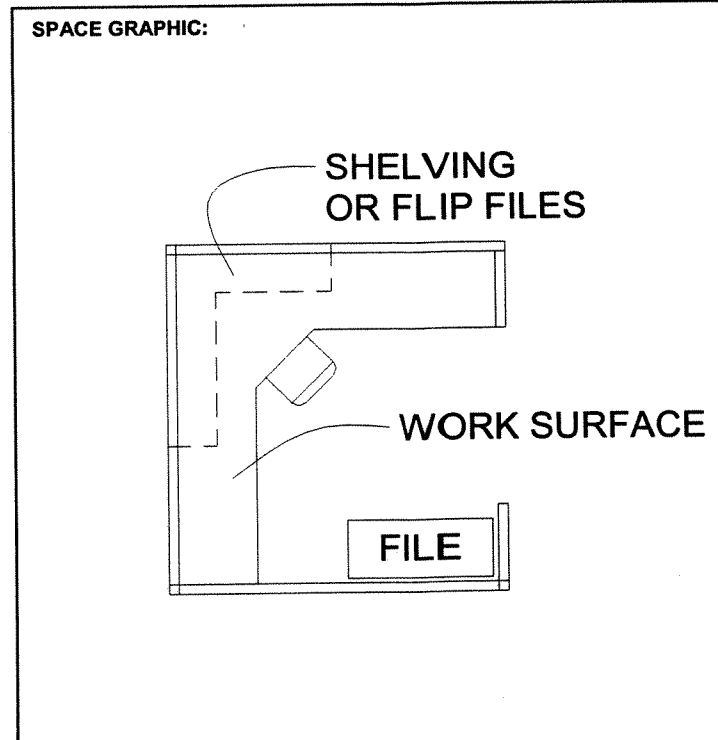
- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

- HORN/STROBE



DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

<p>DIVISION: OIL, GAS & MINING</p> <p>SPACE: OGM RECLAMATION SPECIALISTS (OIL & GAS))</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">QUANTITY:</td> <td style="width: 30%;">2</td> <td style="width: 30%;">NET EACH:</td> <td style="width: 10%;">64</td> </tr> <tr> <td>TOTAL NET:</td> <td>128</td> <td>OCCUPANTS:</td> <td>1</td> </tr> <tr> <td>TOTAL GROSS:</td> <td>171</td> <td>GUESTS:</td> <td>0</td> </tr> </table>	QUANTITY:	2	NET EACH:	64	TOTAL NET:	128	OCCUPANTS:	1	TOTAL GROSS:	171	GUESTS:	0
QUANTITY:	2	NET EACH:	64										
TOTAL NET:	128	OCCUPANTS:	1										
TOTAL GROSS:	171	GUESTS:	0										
<p>FUNCTIONS:</p> <ul style="list-style-type: none"> ▪ Office for Reclamation Specialists (Oil & Gas) ▪ . 	<p>EQUIPMENT/FURNITURE:</p> <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Work surface ○ Desk chair ○ Shelving or Flipper door unit ○ Lat. Files ▪ Computer 												
<p>NOTES:</p> <ul style="list-style-type: none"> ▪ Natural light desired ▪ Open Office environment 	<p>RELATIONSHIP:</p> <p>In same area as other OGM staff.</p>												
<p>FINISHES:</p> <p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.</p>													
<p>SECURITY:</p> <p>LOCKS: N/A – open office area</p> <p>MECHANICAL:</p> <p>HVAC:</p> <ul style="list-style-type: none"> ▪ STANDARD OPEN OFFICE ENVIRONMENT ▪ INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ▪ ZONE CONTROL <p>PLUMBING: NONE</p> <p>ELECTRICAL:</p> <p>LIGHTING:</p> <ul style="list-style-type: none"> ▪ 50 FC, LOW GLARE FLOURESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> ▪ DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> ▪ 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> ▪ HORN/STROBE 	<p>SPACE GRAPHIC:</p>												

DIVISION: OIL, GAS & MINING
SPACE: OGM GUEST ENGINEER/SPECIALIST

QUANTITY: 1	NET EACH: 64
TOTAL NET: 64	OCCUPANTS: 1
TOTAL GROSS: 85	GUESTS: 0

FUNCTIONS: <ul style="list-style-type: none"> Office for out of town employees.

EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer
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NOTES: <ul style="list-style-type: none"> Natural light desired Open Office environment
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RELATIONSHIP: In same area as other OGM staff.
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FINISHES: WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.

SECURITY: LOCKS: N/A – open office area
MECHANICAL: HVAC: <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS: <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: OIL, GAS & MINING
SPACE: OGM OFFICE TECH III/ENGINEER TECH

QUANTITY: 1	NET EACH: 81
TOTAL NET: 81	OCCUPANTS: 1
TOTAL GROSS: 108	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Office for OGM Office Tech III/Field Engineer. Inspect Oil & Gas wells.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
In same area as other OGM staff.

FINISHES:
<p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 9' MIN.</p>

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: OIL, GAS & MINING

SPACE: MAP ROOM

QUANTITY:	1	NET EACH:	280
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TOTAL NET:	280	OCCUPANTS:	0
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TOTAL GROSS:	373	GUESTS:	1
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FUNCTIONS:

- Storage AND AREA FOR VIEWING OVERSIZED MAPS.

EQUIPMENT/FURNITURE:

- Furniture
 - Built-in Shelving
 - Hanging Files
 - (3) Flat files.
 - Desk Chairs
 - 48"X72" Layout table & 36"X48" Light table
 - Work Surface
- Computer

NOTES:

- Secure, no windows.

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2x4 Grid
CEILING HT: 8' MIN.

SECURITY:

LOCKS:

MECHANICAL:

HVAC:

- STANDARD ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

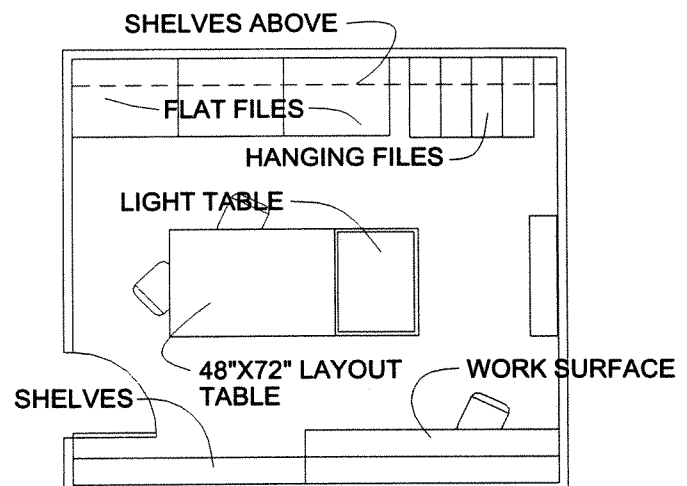
- DUPLEX RECEPTACLE PER WALL MIN.
- POWER TO LIGHT TABLE

PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DIVISION: OIL, GAS & MINING

SPACE: FILE ROOM

QUANTITY: 1

NET EACH: 200

TOTAL NET: 200

OCCUPANTS: 0

TOTAL GROSS: 278

GUESTS: 1

FUNCTIONS:

- Secure Storage for Files.
- .

EQUIPMENT/FURNITURE:

- Furniture
 - Built-in Shelving
 - Base Cabinet
- Computer

NOTES:

- Secure, no windows.

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2x4 Grid
CEILING HT: 8' MIN.

SECURITY:

LOCKS:

MECHANICAL:

HVAC:

- STANDARD ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

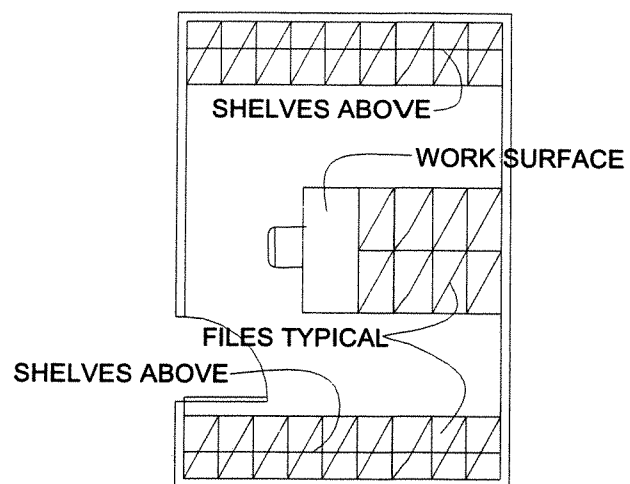
- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 1 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: OIL, GAS & MINING
SPACE: SAMPLE STORAGE

QUANTITY: 1	NET EACH: 50
TOTAL NET: 50	OCCUPANTS: 0
TOTAL GROSS: 69	GUESTS: 1

FUNCTIONS:
<ul style="list-style-type: none"> Secure Storage for samples.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Built-in Shelving Base Cabinet Under counter refrigerator Computer

NOTES:
<ul style="list-style-type: none"> Secure, no windows.

RELATIONSHIP:

FINISHES:
WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2x4 Grid CEILING HT: 8' MIN.

SECURITY:
LOCKS: KEY PUNCHW/ALARM
MECHANICAL:
HVAC: <ul style="list-style-type: none"> STANDARD ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
PLUMBING:
<ul style="list-style-type: none"> SINK
ELECTRICAL:
LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF
OUTLETS:
<ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL, ABOVE COUNTER, REF. AND COOLER MIN.
PHONE/DATA:
<ul style="list-style-type: none"> 1 VOICE/DATA OUTLETS
SPECIAL SYSTEMS:

SPACE GRAPHIC:

DIVISION: WATER RIGHTS
SPACE: REGIONAL ENGINEER

QUANTITY: 1	NET EACH: 150
TOTAL NET: 150	OCCUPANTS: 1
TOTAL GROSS: 200	GUESTS: 5

FUNCTIONS: <ul style="list-style-type: none"> Office for the Regional Engineer. Small conferencing w/ staff and public. Supervises office staff & manages budgets.
--

EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Desk with return Desk chair 3 guest chairs Book case Files Computer

NOTES: <ul style="list-style-type: none"> Natural light desired

RELATIONSHIP: Close to Water Rights Staff.
--

FINISHES: WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.
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SECURITY: LOCKS: OFFICE FUNCTION MECHANICAL: HVAC: <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL PLUMBING: NONE ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS: <ul style="list-style-type: none"> HORN/STROBE
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SPACE GRAPHIC:

DIVISION: WATER RIGHTS

SPACE: ASSIST. REGIONAL ENGINEER III

QUANTITY:	1	NET EACH:	100
TOTAL NET:	100	OCCUPANTS:	1
TOTAL GROSS:	133	GUESTS:	0

FUNCTIONS:

- Office for Water's Regional Engineer III
- Meet W/Public on site.
- Inspector for Damn safty.

EQUIPMENT/FURNITURE:

- Furniture
 - Desk
 - Drafting Table
 - Desk chair
 - File
 - Book Case
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

Close to other Water Rights staff.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

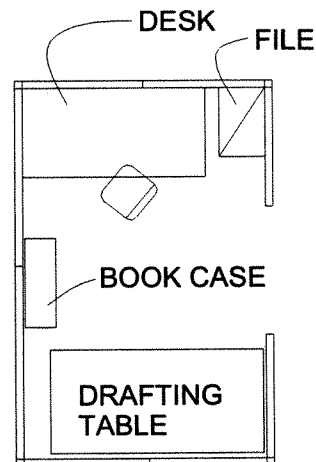
- HVAC:**
- STANDARD OPEN OFFICE ENVIRONMENT
 - INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
 - ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

- LIGHTING:**
- 50 FC, LOW GLARE FLOURESCENT
 - OCCUPANCY SENSOR W/ MANUAL OFF
- OUTLETS:**
- DUPLEX RECEPTACLE PER WALL MIN.
- PHONE/DATA:**
- 2 VOICE/DATA OUTLETS
- SPECIAL SYSTEMS:**
- HORN/STROBE

SPACE GRAPHIC:



DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: WATER RIGHTS

SPACE: WATER RIGHTS SPECIALIST III

QUANTITY: 1

NET EACH: 100

TOTAL NET: 100

OCCUPANTS: 1

TOTAL GROSS: 133

GUESTS: 0

FUNCTIONS:

- Office for Water Rights Specialist III
- Meets with public
- Generates Maps

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Drafting Table
 - Desk chair
 - (2) Guest chairs
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

Close to Plotter & Map Room

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

- HVAC:**
- STANDARD OPEN OFFICE ENVIRONMENT
 - INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
 - ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

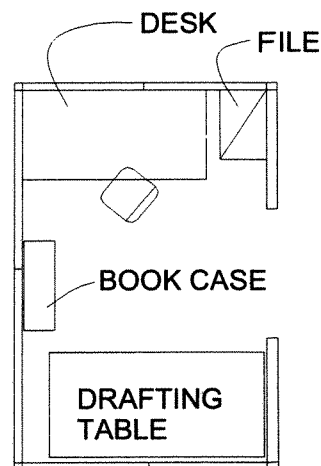
- LIGHTING:**
- 50 FC, LOW GLARE FLOURESCENT
 - OCCUPANCY SENSOR W/ MANUAL OFF

- OUTLETS:**
- DUPLEX RECEPTACLE PER WALL MIN.

- PHONE/DATA:**
- 2 VOICE/DATA OUTLETS

- SPECIAL SYSTEMS:**
- HORN/STROBE

SPACE GRAPHIC:



DIVISION: WATER RIGHTS
SPACE: OFFICE TECH III

QUANTITY: 1	NET EACH: 81
TOTAL NET: 81	OCCUPANTS: 1
TOTAL GROSS: 108	GUESTS: 0

FUNCTIONS:
<ul style="list-style-type: none"> Office for Office Tech III. Support staff Reception.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work surface Desk chair Guest chair Shelving or Flipper door unit Lat. Files Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired Open Office environment

RELATIONSHIP:
Close to other Water Rights staff.
Close to files

FINISHES:
<p>WALL: GYPSUM BOARD</p> <p>BASE: RUBBER, VINYL, or CARPET</p> <p>FLOOR: CARPET</p> <p>CEILING: 2X4 GRID</p> <p>CEILING HT: 9' MIN.</p>

SECURITY:
LOCKS: N/A – open office area
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OPEN OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> HORN/STROBE

SPACE GRAPHIC:

DIVISION: WATER RIGHTS

SPACE: ENGINEER TECH II

QUANTITY:	1	NET EACH:	64
TOTAL NET:	64	OCCUPANTS:	1
TOTAL GROSS:	85	GUESTS:	0

FUNCTIONS:

- Office for Engineer Tech II.
- Support staff

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Drafting table
 - Shelving or Flipper door unit
 - Lat. Files
- Computer

NOTES:

- Natural light desired
- Open Office environment

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
 BASE: RUBBER, VINYL, or CARPET
 FLOOR: CARPET
 CEILING: 2X4 GRID
 CEILING HT: 9' MIN.

SECURITY:

LOCKS: N/A – open office area

MECHANICAL:

HVAC:

- STANDARD OPEN OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
- ZONE CONTROL

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

- HORN/STROBE

SPACE GRAPHIC:

DIVISION: WATER RIGHTS

SPACE: STORAGE

QUANTITY: 1

NET EACH: 36

TOTAL NET: 36

OCCUPANTS: 0

TOTAL GROSS: 48

GUESTS: 1

FUNCTIONS:

- General Storage for field equipment.

EQUIPMENT/FURNITURE:

- Furniture
 - Built-in Shelving

NOTES:

- Secure, no windows.

RELATIONSHIP:

Close to exterior.

FINISHES:

WALL: GYPSUM BOARD W/ TILE WAINSCOT
BASE: RUBBER, VINYL, or CARPET
FLOOR: VCT
CEILING: 2x4 Grid
CEILING HT: 8' MIN.

SECURITY:

LOCKS: DEAD BOLT

MECHANICAL:

HVAC:

- STANDARD ENVIRONMENT

PLUMBING:

ELECTRICAL:

LIGHTING:

- 30 FC, FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

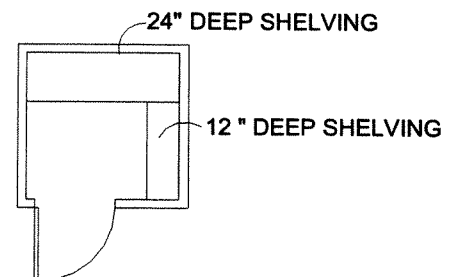
- DUPLEX RECEPTACLE TWO WALL MIN.

PHONE/DATA:

- 1 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DIVISION: WATER RIGHTS

SPACE: FILE STORAGE

QUANTITY:	1	NET EACH:	200
TOTAL NET:	200	OCCUPANTS:	0
TOTAL GROSS:	267	GUESTS:	1

FUNCTIONS:

- Secure Storage for Files.
- .

EQUIPMENT/FURNITURE:

- Furniture
 - Work surface
 - Desk chair
 - Shelving
 - Legal Files
- Computer

NOTES:

- Secure, no windows.

RELATIONSHIP:

Close to Office Tech.

FINISHES:

WALL: GYPSUM BOARD
 BASE: RUBBER, VINYL, or CARPET
 FLOOR: CARPET
 CEILING: 2x4 Grid
 CEILING HT: 8' MIN.

SECURITY:

LOCKS:

MECHANICAL:

HVAC:

- STANDARD ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 1 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:

DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: WATER RIGHTS

SPACE: MAP ROOM

QUANTITY:	1	NET EACH:	280
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TOTAL NET:	280	OCCUPANTS:	0
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TOTAL GROSS:	373	GUESTS:	1
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FUNCTIONS:

- Storage and area for viewing oversized maps.
- .

EQUIPMENT/FURNITURE:

- Furniture
 - Built-in Shelving
 - Hanging Files
 - (3) Flat files.
 - Desk Chairs
 - 48"X72" Layout table & 36"X48" Light table
 - Work Surface
- Computer

NOTES:

- Secure, no windows.

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2x4 Grid
CEILING HT: 8' MIN.

SECURITY:

LOCKS:

MECHANICAL:

HVAC:

- STANDARD ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

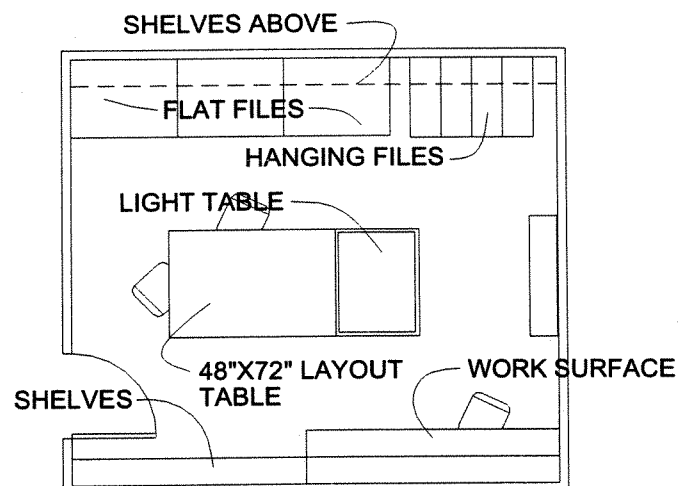
- DUPLEX RECEPTACLE PER WALL MIN.

PHONE/DATA:

- 1 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

DIVISION: FORESTRY, FIRE & STATE LANDS
SPACE: FIRE WARDEN

QUANTITY: 1	NET EACH: 150
TOTAL NET: 150	OCCUPANTS: 1
TOTAL GROSS: 208	GUESTS: 5

FUNCTIONS:
<ul style="list-style-type: none"> Office for the Fire Warden. Small conferencing w/ staff and public. Supervises office staff & manages budgets.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Desk with credenza Desk chair 5 guest chairs Conference table Built-in Shelving Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired

RELATIONSHIP:

FINISHES:
WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.

SECURITY:
LOCKS: OFFICE FUNCTION
MECHANICAL:
HVAC: <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF
OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN.
PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS
SPECIAL SYSTEMS:

SPACE GRAPHIC:

DIVISION: FORESTRY, FIRE & STATE LANDS
SPACE: FOREST STEWARDSHIP SPECIALIST

QUANTITY: 1	NET EACH: 100
TOTAL NET: 100	OCCUPANTS: 1
TOTAL GROSS: 139	GUESTS: 2

FUNCTIONS:
<ul style="list-style-type: none"> Office for Forest Stewardship Specialist. Small conferencing w/ public.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Desk with credenza Desk chair 2 guest chairs Built-in Shelving Lat. Files Computer

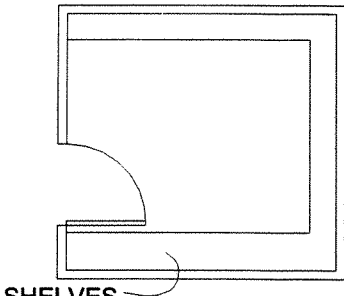
NOTES:
<ul style="list-style-type: none"> Natural light desired

RELATIONSHIP:

FINISHES:
WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.

SECURITY:
LOCKS: OFFICE FUNCTION
MECHANICAL:
HVAC: <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER ZONE CONTROL
PLUMBING: NONE
ELECTRICAL:
LIGHTING: <ul style="list-style-type: none"> 50 FC, LOW GLARE FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS:

SPACE GRAPHIC:

<p>DIVISION: FORESTRY, FIRE & STATE LANDS</p> <p>SPACE: STORAGE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">QUANTITY: 1</td> <td style="width: 50%;">NET EACH: 100</td> </tr> <tr> <td>TOTAL NET: 100</td> <td>OCCUPANTS: 0</td> </tr> <tr> <td>TOTAL GROSS: 133</td> <td>GUESTS: 1</td> </tr> </table>	QUANTITY: 1	NET EACH: 100	TOTAL NET: 100	OCCUPANTS: 0	TOTAL GROSS: 133	GUESTS: 1
QUANTITY: 1	NET EACH: 100						
TOTAL NET: 100	OCCUPANTS: 0						
TOTAL GROSS: 133	GUESTS: 1						
<p>FUNCTIONS:</p> <ul style="list-style-type: none"> ▪ Storage for equipment. 	<p>EQUIPMENT/FURNITURE:</p> <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Built-in Shelving ▪ Computer 						
<p>NOTES:</p> <ul style="list-style-type: none"> ▪ Secure, no windows. 	<p>RELATIONSHIP:</p>						
<p>FINISHES:</p> <p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2x4 Grid CEILING HT: 8' MIN.</p>							
<p>SECURITY:</p> <p>LOCKS:</p> <p>MECHANICAL:</p> <p>HVAC:</p> <ul style="list-style-type: none"> ▪ STANDARD ENVIRONMENT ▪ INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER <p>PLUMBING: NONE</p> <p>ELECTRICAL:</p> <p>LIGHTING:</p> <ul style="list-style-type: none"> ▪ 50 FC, LOW GLARE FLOURESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> ▪ DUPLEX RECEPTACLE PER WALL MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> ▪ 1 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p>	<p>SPACE GRAPHIC:</p> <div style="text-align: center; margin-top: 100px;">  <p>SHELVES</p> </div>						

DIVISION: FORESTRY, FIRE & STATE LANDS

SPACE: MAP ROOM

QUANTITY:	1	NET EACH:	280
TOTAL NET:	280	OCCUPANTS:	0
TOTAL GROSS:	373	GUESTS:	1

FUNCTIONS:

- Storage and area for viewing oversized maps.
- .

EQUIPMENT/FURNITURE:

- Furniture
 - Built-in Shelving
 - Hanging Files
 - (3) Flat files.
 - Desk Chairs
 - 48"X72" Layout table & 36"X48" Light table
 - Work Surface
- Computer

NOTES:

- Secure, no windows.

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2x4 Grid
CEILING HT: 8' MIN.

SECURITY:

LOCKS:

MECHANICAL:

HVAC:

- STANDARD ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 50 FC, LOW GLARE FLOURESCENT
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

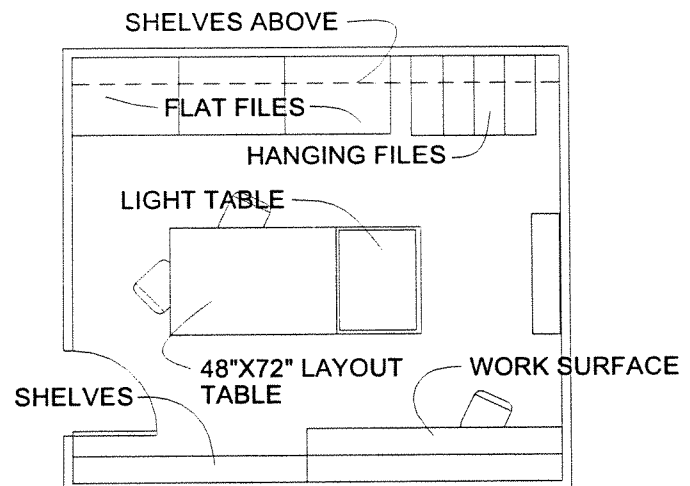
- DUPLEX RECEPTACLE PER WALL MIN.
- POWER TO LIGHT TABLE

PHONE/DATA:

- 1 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

SPACE GRAPHIC:



DIVISION: FORESTRY, FIRE & STATE LANDS SPACE: SHOWER	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">QUANTITY: 1</td> <td style="width: 50%;">NET EACH: 100</td> </tr> <tr> <td>TOTAL NET: 100</td> <td>OCCUPANTS: 1</td> </tr> <tr> <td>TOTAL GROSS: 139</td> <td>GUESTS: 2</td> </tr> </table>	QUANTITY: 1	NET EACH: 100	TOTAL NET: 100	OCCUPANTS: 1	TOTAL GROSS: 139	GUESTS: 2
QUANTITY: 1	NET EACH: 100						
TOTAL NET: 100	OCCUPANTS: 1						
TOTAL GROSS: 139	GUESTS: 2						
FUNCTIONS: <ul style="list-style-type: none"> ▪ Shower for FF&SL Staff. 	EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Lockers ○ Bench 						
NOTES: <ul style="list-style-type: none"> ▪ Natural light desired 	RELATIONSHIP:						
FINISHES: <p>WALL: TILE WAINSCOT & GYPSUM BOARD BASE: TILE FLOOR: TILE CEILING: GYPSUM BOARD CEILING HT: 8' MIN.</p>							
SECURITY: LOCKS: MECHANICAL: HVAC: <ul style="list-style-type: none"> ▪ STANDARD W/EXHAUST FAN PLUMBING: SHOWER ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> ▪ 50 FC, LOW GLARE FLOURESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> ▪ GF DUPLEX RECEPTACLE PER WALL MIN. 	SPACE GRAPHIC: <div style="text-align: center; margin-top: 50px;"> </div>						

DIVISION: SHARED SPACE
SPACE: LARGE CONFERENCE

QUANTITY: 1	NET EACH: 400
TOTAL NET: 400	OCCUPANTS: 0
TOTAL GROSS: 533	GUESTS: 8

FUNCTIONS:
<ul style="list-style-type: none"> Large conference room for general use.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Conference Table 20 guest chairs Built-in Cabinet White Board Computer

NOTES:
<ul style="list-style-type: none"> Natural light desired

RELATIONSHIP:

FINISHES:
<p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.</p>

SECURITY:
LOCKS: OFFICE FUNCTION
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 20/50 FC, FC FLOURESCENT VARIABLE LIGHTING CONTROL OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> DUPLEX RECEPTACLE PER WALL MIN. AND IN FLOOR CEILING FOR PROJECTOR <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 2 VOICE/DATA OUTLETS AT WALLS 1 VOICE/DATA OUTLETS AT FLOOR <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> CONDUIT FOR AV TV OUTLET

SPACE GRAPHIC:

DIVISION: SHARED SPACE

SPACE: SMALL CONFERENCE

QUANTITY:	1	NET EACH:	150
TOTAL NET:	150	OCCUPANTS:	0
TOTAL GROSS:	208	GUESTS:	8

FUNCTIONS:

- Small conference room for general use.

EQUIPMENT/FURNITURE:

- Furniture
 - Conference Table
 - 8 guest chairs
 - Built-in Cabinet
 - White Board
- Computer

NOTES:

- Natural light desired

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
 BASE: RUBBER, VINYL, or CARPET
 FLOOR: CARPET
 CEILING: 2X4 GRID
 CEILING HT: 8' MIN.

SECURITY:

LOCKS: OFFICE FUNCTION

MECHANICAL:

HVAC:

- STANDARD OFFICE ENVIRONMENT
- INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER

PLUMBING: NONE

ELECTRICAL:

LIGHTING:

- 20/50 FC, FC FLOURESCENT
- VARIABLE LIGHTING CONTROL
- OCCUPANCY SENSOR W/ MANUAL OFF

OUTLETS:

- DUPLEX RECEPTACLE PER WALL MIN.

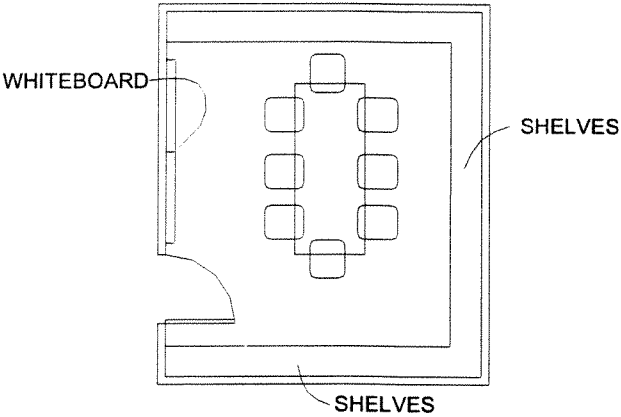
PHONE/DATA:

- 2 VOICE/DATA OUTLETS

SPECIAL SYSTEMS:

- TV OUTLET

SPACE GRAPHIC:

DIVISION: SHARED SPACE SPACE: LIBRARY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">QUANTITY: 1</td> <td style="width: 50%;">NET EACH: 250</td> </tr> <tr> <td>TOTAL NET: 250</td> <td>OCCUPANTS: 0</td> </tr> <tr> <td>TOTAL GROSS: 333</td> <td>GUESTS: 8</td> </tr> </table>	QUANTITY: 1	NET EACH: 250	TOTAL NET: 250	OCCUPANTS: 0	TOTAL GROSS: 333	GUESTS: 8
QUANTITY: 1	NET EACH: 250						
TOTAL NET: 250	OCCUPANTS: 0						
TOTAL GROSS: 333	GUESTS: 8						
FUNCTIONS: <ul style="list-style-type: none"> ▪ Storage & reading of manuals and reference material. ▪ Small conferencing. 	EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Conference Table ○ 8 guest chairs ○ Built-in Shelves ○ White Board ▪ Computer 						
NOTES: <ul style="list-style-type: none"> ▪ Natural light desired 	RELATIONSHIP:						
FINISHES: WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.							
SECURITY: LOCKS: OFFICE FUNCTION MECHANICAL: HVAC: <ul style="list-style-type: none"> ▪ STANDARD OFFICE ENVIRONMENT ▪ INCLUDE EQUIPMENT LOADING FOR 1 COMPUTER PLUMBING: NONE ELECTRICAL: LIGHTING: <ul style="list-style-type: none"> ▪ 50 FC, FC FLUORESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF OUTLETS: <ul style="list-style-type: none"> ▪ DUPLEX RECEPTACLE PER WALL MIN. PHONE/DATA: <ul style="list-style-type: none"> ▪ 2 VOICE/DATA OUTLETS SPECIAL SYSTEMS:	SPACE GRAPHIC: 						

DIVISION: SHARED SPACE

SPACE: LOBBY

QUANTITY: 1

NET EACH: 400

TOTAL NET: 400

OCCUPANTS: 0

TOTAL GROSS: 533

GUESTS: 8

FUNCTIONS:

- Public waiting.
- Display.

EQUIPMENT/FURNITURE:

- Furniture
 - Tables
 - Guest chairs
 - Display
 - Counter with 3 computers and cash register.

NOTES:

- Natural light desired

RELATIONSHIP:

Close to Wildlife.

FINISHES:

WALL: GYPSUM BOARD
BASE: RUBBER, VINYL, or CARPET
FLOOR: CARPET
CEILING: 2X4 GRID
CEILING HT: 8' MIN.

SECURITY:

LOCKS: OFFICE FUNCTION

MECHANICAL:

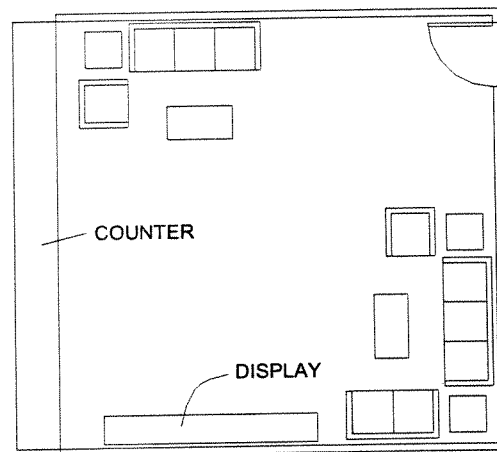
HVAC:
▪ STANDARD OFFICE ENVIRONMENT

PLUMBING: NONE

ELECTRICAL:

LIGHTING:
▪ 50 FC, FC FLUORESCENT
▪ OCCUPANCY SENSOR W/ MANUAL OFF
OUTLETS:
▪ DUPLEX RECEPTACLE PER WALL MIN.
PHONE/DATA:
▪ 2 VOICE/DATA OUTLETS
SPECIAL SYSTEMS:

SPACE GRAPHIC:



DIVISION: SHARED SPACE
SPACE: WORK ROOM

QUANTITY: 1	NET EACH: 300
TOTAL NET: 300	OCCUPANTS: 0
TOTAL GROSS: 400	GUESTS: 8

FUNCTIONS:
<ul style="list-style-type: none"> Work room for general office use. Shared plotter, Xerox machines, fax machines and printers.

EQUIPMENT/FURNITURE:
<ul style="list-style-type: none"> Furniture <ul style="list-style-type: none"> Work Surface Built in Cabinets Equipment <ul style="list-style-type: none"> (2) Xerox machines Plotter Fax printers

NOTES:
<ul style="list-style-type: none"> Natural light desired

RELATIONSHIP:

FINISHES:
<p>WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN.</p>

SECURITY:
LOCKS: OFFICE FUNCTION
MECHANICAL:
<p>HVAC:</p> <ul style="list-style-type: none"> STANDARD OFFICE ENVIRONMENT
PLUMBING: NONE
ELECTRICAL:
<p>LIGHTING:</p> <ul style="list-style-type: none"> 50 FC, FC FLOURESCENT OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> 2 DUPLEX RECEPTACLES PER WALL PLUS DEDICATED OUTLETS TO COPIERS AND PLOTTERS MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> 4 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p>

SPACE GRAPHIC:

DIVISION: SHARED SPACE

SPACE: TYPING & MAIL

QUANTITY: 1

NET EACH: 150

TOTAL NET: 150

OCCUPANTS: 0

TOTAL GROSS: 200

GUESTS: 4

FUNCTIONS:

- Work room for general office use.
- Typing area, paper and form storage.
- Area to sort mail.

EQUIPMENT/FURNITURE:

- Furniture
 - Work Surface
 - Built in Cabinets
- Equipment
 - (2) typewriters

NOTES:

- Natural light desired

RELATIONSHIP:

FINISHES:

WALL: GYPSUM BOARD
 BASE: RUBBER, VINYL, or CARPET
 FLOOR: CARPET
 CEILING: 2X4 GRID
 CEILING HT: 8' MIN.

SECURITY:

LOCKS: OFFICE FUNCTION

MECHANICAL:

HVAC:
 ▪ STANDARD OFFICE ENVIRONMENT

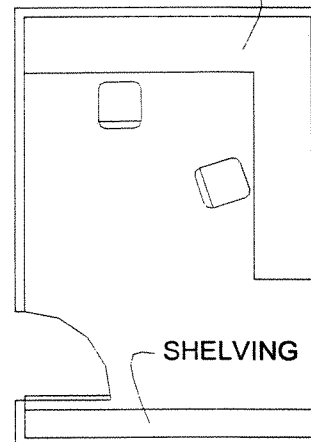
PLUMBING: NONE

ELECTRICAL:

LIGHTING:
 ▪ 50 FC, FC FLUORESCENT
 ▪ OCCUPANCY SENSOR W/ MANUAL OFF
 OUTLETS:
 ▪ DUPLEX RECEPTACLE PER WALL MIN.
 PHONE/DATA:
 ▪ 2 VOICE/DATA OUTLETS
 SPECIAL SYSTEMS:

SPACE GRAPHIC:

WORK SURFACE

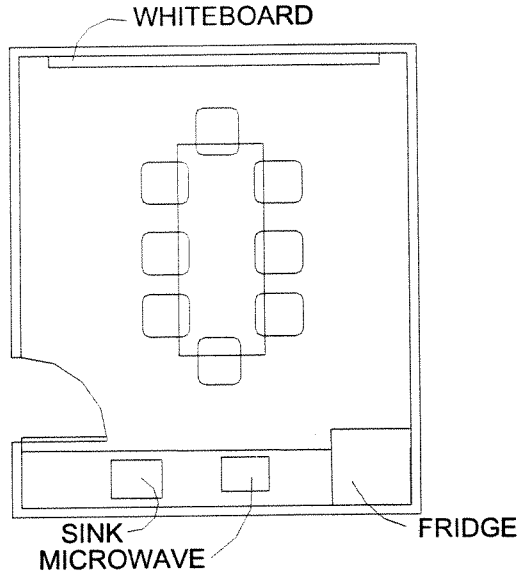


DIVISION: SHARED SPACE SPACE: BREAK ROOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">QUANTITY:</td> <td style="width: 30%;">1</td> <td style="width: 30%;">NET EACH:</td> <td style="width: 10%;">250</td> </tr> <tr> <td>TOTAL NET:</td> <td>250</td> <td>OCCUPANTS:</td> <td>0</td> </tr> <tr> <td>TOTAL GROSS:</td> <td>333</td> <td>GUESTS:</td> <td>8</td> </tr> </table>	QUANTITY:	1	NET EACH:	250	TOTAL NET:	250	OCCUPANTS:	0	TOTAL GROSS:	333	GUESTS:	8
QUANTITY:	1	NET EACH:	250										
TOTAL NET:	250	OCCUPANTS:	0										
TOTAL GROSS:	333	GUESTS:	8										

FUNCTIONS: <ul style="list-style-type: none"> ▪ Area for breaks. 	EQUIPMENT/FURNITURE: <ul style="list-style-type: none"> ▪ Furniture <ul style="list-style-type: none"> ○ Table ○ 8 chairs ○ cabinets ▪ Equipment <ul style="list-style-type: none"> ○ Microwave ○ Refrigerator ○ Garbage disposal
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NOTES:	RELATIONSHIP:
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FINISHES: <p> WALL: GYPSUM BOARD BASE: RUBBER, VINYL, or CARPET FLOOR: CARPET CEILING: 2X4 GRID CEILING HT: 8' MIN. </p>	
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SECURITY: <p>LOCKS: OFFICE FUNCTION</p> <p>MECHANICAL:</p> <p>HVAC:</p> <ul style="list-style-type: none"> ▪ STANDARD OFFICE ENVIRONMENT <p>PLUMBING:</p> <ul style="list-style-type: none"> ▪ SINK W/Garbage Disposal <p>ELECTRICAL:</p> <p>LIGHTING:</p> <ul style="list-style-type: none"> ▪ 50 FC, FC FLOURESCENT ▪ OCCUPANCY SENSOR W/ MANUAL OFF <p>OUTLETS:</p> <ul style="list-style-type: none"> ▪ DUPLEX RECEPTACLE PER WALL PLUS 3 DEDICATED ABOVE COUNTER MIN. <p>PHONE/DATA:</p> <ul style="list-style-type: none"> ▪ 2 VOICE/DATA OUTLETS <p>SPECIAL SYSTEMS:</p> <ul style="list-style-type: none"> ▪ TV OUTLET 	SPACE GRAPHIC: 
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DEPARTMENT OF NATURAL RESOURCES
PRICE, UTAH

NEW OFFICE BUILDING
3RD DRAFT 08/21/02

General:

All materials shall be durable, and low in cost to maintain. At a minimum, materials shall be suitable for commercial/institutional type building construction. Life Cycle Costing shall be applied as a determinant when selecting between material/system options.

The following are Owner preferred material and design options. They are not intended to require the use of a specific material, but indicate preferred requirements if that material is used. Other options may be considered, and must be discussed with the Owner prior to their incorporation into the project.

Division 1

Coordinate all Division 1 requirements to project. In addition to this, include the following in the specification.

Project Schedule: Require a detailed CPM Schedule indicating a completion date no later the Project's required completion date, with activity duration's in calendar days, and including the following:

Schedule must interface with the work of outside contractors (eg., power and with any separate Contractor).

Schedule must describe activity including activity number/numbers.

- Estimated duration of time for each activity.
- Early start, late start, early finish, and late finish date for each activity.
- Actual finish date for each activity completed.
- The dollar value of each activity in relation to the schedule of values.
- The percentages complete of each activity in progress or completed.
- Identification of all critical path activities in a mathematical analysis.
- The critical path for the Project, with said path of activities being clearly and easily recognizable on a time-scaled network diagram. The relationship between non-critical activities and activities on the critical path shall be clearly shown on the network diagram.
- No activity of duration greater than 14 calendar days with the exception of weather days.
- Expected weather days (based on historical data) included as a critical path item.

Temporary Facilities: Require climatically controlled temporary field office with space for project meetings. Include e-mail capabilities, and superintendent mobile phone for Owner and A/E communication with superintendent.

Testing: The Owner will engage an independent testing and inspection firm. Coordinate and specify testing requirements in the specific sections requiring testing or inspection by the independent firm. Include procedures and frequency.

- Assist the Owner in the development of the RFP for testing services.
- Provide the Owner a list of all code required testing, including procedures, quantity and frequency.

Division 2

Coordinate all Division 2 requirements to project. In addition to this, include the following in the facility design.

Hot-Mix Asphalt Paving: Require compliance with State of Utah Standard Specifications for Road and Bridge Construction, latest edition including Supplement #2, and with federal, local and state governing regulations.

- Slope surfaces for positive drainage a minimum of 1.5%, preferably 2%.
- Minimum thickness for parking areas is 2", and for areas with truck traffic including dumpster access 3".

Cement Concrete Pavement: All exterior concrete shall be specified to compressive strengths at 28 days equal to or greater than 4000 psi, with air content of 6% plus or minus 1%.

Landscaping: The site is to be 80 % developed. This includes irrigation, pavement and plantings. Plantings shall include the use/development of existing natural vegetation. Use principles of "xeriscape" in the landscape design with irrigation systems designed for minimal maintenance and water conservation.

- All plantings shall conform to USDA zone requirements and be suitable to the soils. Plants shall be selected according to appropriate solar aspect, exposure, and microclimate.
- Trees and shrubs should be placed to reduce solar gain in the summer and allow solar gain in the winter. Planting material should also be used to screen parking areas, service yards, transformers, etc.
- Trees in parking areas shall be selected based on minimal leaf litter, and be "sap-drip" free. Locate planting areas in parking to accommodate snow removal and snow storage requirements.
- As required by State Statute, a licensed Landscape Architect shall be responsible for the design of the facilities landscape.

Division 3

Coordinate all Division 3 requirements to project. In addition to this, include the following in the facility design.

Concrete: All interior concrete including footings and foundations shall be specified to compressive strengths at 28 days equal to or greater than 3000 psi.

- Use appropriate construction methods for hot and cold weather conditions.
- The strength of concrete used for design may be less than 2500 psi in order to avoid inspection costs as appropriate.

Division 4

Coordinate all Division 4 requirements to project. In addition to this, include the following in the facility design.

Masonry: Unreinforced masonry except non-structural veneer is not allowed.
Grout: Use 2000-psi minimum per ASTM C476 and C404 unless a special condition requires otherwise.

- Strength testing is required, and should be assumed for design values.

Mortar: Use type "S" 1800-psi minimum per ASTM C150 and C270.

Division 5

Coordinate all Division 5 requirements to project. In addition to this, include the following in the facility design.

Welding: All welding shall be done by a welder certified per AWS D1.1 within the last 12 months.

Finish & Priming: All ferrous metal fabrications designed for exterior exposure shall have all surfaces galvanized after fabrication. Painting for these items will need to address the problems associated with galvanized metal.

Steel General Requirements: Require an AISC certified fabrication shop, or require inspection of all shop fabricated connections. Require inspections of field connections.

- Shapes and Plates: ASTM A36 or A572
- Tubes: ASTM A500, Grade B (Fy = 46 ksi)
- Pipe and Columns: ASTM A53, Types E or S, Grade B
- Deformed Bar Anchors: ASTM A496

- Headed Stud Anchors: ASTM A108
- High Strength Bolts: ASTM A325 or A490
- Anchor Bolts: ASTM A307 with ASTM 563 heavy hex nuts.

Division 6

Coordinate all Division 6 requirements to project. In addition to this, include the following in the facility design.

Miscellaneous: Any necessary wood framing, blocking, furring, etc. shall be fire treated.

Rough Carpentry: Specify Dimensioned Lumber, Manufactured Wood products, etc. as appropriate. Use fire treated materials.

Finish Carpentry: All cabinets and cabinet tops (countertops) shall comply with appropriate divisions of AWI Section 400. For installation comply with section 1700 for cabinet grade specified.

- Specify (as a minimum) and detail "Custom" grade cabinets and cabinet tops.
- Provide wood edge treatment to all cabinet tops, and exposed shelves.
- For all shelves, specify and detail 1" thick, 48 lbs. density particle board laminated both sides. Use Tee-edge or PVC edge matching laminate where semi exposed.
- For all cabinet doors and drawers, provide standard pin-type or disc type (5 pins or discs) tumbler locks.

Division 7

Coordinate all Division 7 requirements to project. In addition to this, include the following in the facility design.

Roofing: Systems shall have a minimum Factory Mutual FM I-90 rating, and be designed to a tested UL Class A rating. Coordinate roofing systems with DFCM specifications.

- Minimum slope shall be 1/4" per foot along the longest drainage path.
- The contractor shall provide a written two-year watertightness roof guarantee to include flashing and other penetrations from date of substantial completion and a 15-year manufacturer's warranty on materials.

Division 8

Coordinate all Division 8 requirements to project. In addition to this, include the following in the facility design.

Doors and Frames:

- All exterior doors shall be 16 gauge minimum metal doors, unless part of an aluminum entrance or storefront system.
- All interior doors shall be Solid core faced with minimum of 1/16 inch wood veneer finish. No wood doors shall be used as exterior doors. No hollow core doors shall be used.
- All frames shall be 16 gauge (for interior) and 14 gauge (exterior) welded metal frames, unless part of an aluminum entrance or storefront system.

Hardware: All hardware to be commercial grade or better.

Provide locking as follows:

- Classroom function for all conference room doors.
- Turn button function for all offices.
- Rigid function for custodial closets and mechanical rooms with 2-1/4 backset.
- Monitored punch key where programmed.
- Do not key restrooms.
- Cylinder Locks - for cylindrical locks, the make of the lock should be heavy duty, compatible with Best Cylinders. Doors fitted for cylinder locks should provide for a 2-3/4" backset. Panic bars should be equal to Von Duprin 99 Series or 33 Series on exterior doors where a narrow type device is necessary. All panic bars should be rim type with removable mullions on double doors.
- A minimum of one each men's and women's toilet rooms shall have ADA automatic door opener.

Lever handles: Meeting ADA and code. A minimum standard shall be Schlage "D" series, Ruswin and Corbin 800 Series. Mortise locks will also be acceptable of the same brands. Ruswin or Corbin unit locks will not be accepted.

Hinges: Use a minimum of 1½ pair of hinges on all doors.

Automatic Door Openers: Automatic door openers shall be required at public entrances and one each men's and women's toilet rooms. Preferred automatic door opener manufacturers are:

- LCN - #4611 or #4622

- Gyro Tech - System 300 concealed, System 500, and System 600 fire door package.

Glazing: To protect against water leaking through the caulking or gaskets around window glass. Specifications should provide for either a water leak test at a pressure equal to 50 m.p.h. winds or provide a 10 year guarantee against leakage through the caulking or gaskets.

- Specify a guarantee for all thermal glazing of five years minimum including all labor and materials.

Division 9

Coordinate all Division 9 requirements to project. In addition to this, the following should be included if required in the facility's design.

Gypsum Drywall Systems:

- Metal wall framing shall be 0.027 inch at 16" o.c. minimum for studs, and 0.0329 inch thick for runners, jambs, and cripple studs at doors.
- Wood wall framing shall be 2x4 at 16" o.c. minimum for studs.
- Single layer gypsum wallboard shall be 5/8" thick minimum.
- Use cementitious backer units under thin set tile applications.
- Use water-resistant gypsum board for applications under wall coverings or to be painted in high abuse moist areas (eg. restrooms, janitor closets, kitchens, etc.). Do not use for thin set tile applications.
- Do not use gypsum board in roofing systems, if required for rating, use of gypsum sheathing is acceptable.
- For bead, use type with face flange formed to receive join compound. If exposed trim is required for particular application, review use with Owner.
- Do not use nailing or glue applications for attachment of gypsum board to wood or metal studs. Use steel screws for gypsum board attachment.
- Wall finish texture shall be smooth; ceilings may have texture provided final texture selection is by Owner.

Tile:

- For all floors and in showers, use thickset applications. Never thin set tile on floors or in showers.
- Refer to above for thin set wall applications (use cementitious backer units).

- Always use metal edge where tile abuts other flooring material, and stone thresholds at doors.
- Use only unglazed porcelain tile for traffic surfaces (floors).
- Tile patterns are desirable using variable sized, colored, textured, and direction

Acoustical panel ceilings:

- See Program area Summaries for tile size.
- Non-directional, fissured, lightly textured, and nodular, cast or molded panels are preferred. Higher texturing may be required to obtain NRC properties desired.
- For open office and large public areas, provide panels with good sound absorbency (NRC) properties. For closed offices, provide panels with good noise isolation (CAC) properties.
- Consider aesthetics in the layout, and coordination of various elements in the ceiling.

Resilient wall base:

- For inside corners use cut inverted "V".
- Use 4" high base by coil (not cut length) material. Avoid splicing along its installed length.

Carpet: Use Utah's Statewide contract presently with Midwest Office Supply - the State Carpet Contractor.

- Carefully coordinate this section with Division 1 for contractor responsibility for carpet installation and schedule.
- Carpet shall be included in the contractors bid price.
- The General Contractor is responsible to purchase and coordinate the installation of carpet through the Statewide contract.
- Coordinate with the State Carpet Contractor to develop actual yardage of carpet - submit this information to the Owner who will order the carpet for the Contractor. Any recent modifications to the Statewide contract prices are to be itemized.

Painting:

- Use Alkyd-Enamel or Waterborne Acrylic epoxy for exterior, and Acrylic-Enamel for interior finishes.
- Use Waterborne Acrylic epoxy in restrooms, janitor closets, kitchens, and for metal doorframes.

- Typically use low-luster on walls, Semigloss or High-gloss for metal, and flat for ceilings.

Wall Covering:

- Use Type II or III, FS CCC-W-408A vinyl wall covering.

Division 10

Coordinate all Division 10 requirements to project. In addition to this, the following should be included if required in the facility's design.

Toilet Compartments:

- Use floor-anchored, overhead braced.

Toilet Accessories:

- Toilet tissue dispensers, soap dispensers, and paper towel dispensers will be provided and installed by service. Coordinate with Owner and service for installation requirements including location of blocking and support.

Division 11

Coordinate all Division 11 requirements to project. In addition to this, the following should be included if required in the facility's design.

- Include all new refrigerators, and wall mounted TV/VCR brackets in construction contract. For microwaves and TV/VCR include in furnishing contract.

Division 12

Coordinate all Division 12 requirements to project. In addition to this, the following should be included if required in the facility's design.

Furnishing: Use Utah's Statewide contracts. Carefully review furnishing requirements with Owner for items to be supplied under statewide contracts or under construction contract. Items to be supplied under statewide contracts include:

- Window coverings.
- Metal file cabinets.
- Classroom furniture.
- Conference room tables and chairs.
- Upholstered couches and chairs.

- Office furniture.
- For free standing desks, cadenzas, bookshelves etc. use UCI.
- Office seating.
- Provide ergonomic desk chairs. Steel Case is preferred.
- System furniture.
- Herman Miller is preferred.
- Provide systems with power and communication in panel base.
- Vary height of panels within workstation. Whenever possible, use panels less than 60" high.
- Signs.
- Use UCI systems.
- Miscellanies office equipment.

Coordination: Select and specify furnishings under statewide contracts. Owner will order and purchase these furnishings.

- Coordinate lead-time for furnishing delivery with supplier and construction. Advise Owner of order dates, and delivery dates required for furnishing to arrive following Substantial Completion of the building and prior to their occupancy.
- Provide bid documents for items to be purchased, which are not on statewide contracts to Owner. Provide at least three acceptable manufacturers for each item.
- Coordinate with installers, delivery and placement of furnishing items. Verify items meet specifications and are undamaged when delivered and installed.

Division 13

Coordinate all Division 13 requirements to project. In addition to this, include the following in the facility design.

No special requirements.

Division 14

Coordinate all Division 14 requirements to project. In addition to this, include the following in the facility design.

No special requirements.

Division 15

Coordinate all Division 15 requirements to project. In addition to this, include the following in the facility design.

Gas Piping Above Ground:

- Gas piping shall be black, carbon steel schedule 40 piping meeting ASTM A 53.
- Gas piping in plenums, hidden or 2 ½ inches and larger shall be welded.

Heating Hot Water:

- Piping shall be carbon steel schedule 40 piping.
- Heating hot water supply and return piping located within the building shall be insulated.

Pumps:

- Chilled and heating hot water pumps shall be base mounted for the main building distribution pumps and inline for the coil circulating pumps.

Drain Piping:

- Drain piping shall be copper. PVC or plastic of any kind is not acceptable.

Culinary Water Piping:

- Culinary cold water, culinary hot water, culinary recirculating and make up water for the heating and chilled water systems shall be copper type L above floor. Any piping routed under the main floor shall be type K copper. Piping shall not be buried under the building.
- All culinary water piping shall be insulated.

Chilled Water Piping:

- Chilled water Piping shall be carbon steel schedule 40 piping.
- Chilled water supply and return piping shall be insulated.

Heating, Ventilation and Air Conditioning:

- Air handling units shall be manufactured packaged type equal to Carrier. Units shall be supplied with variable frequency drives for the motors. System shall be medium pressure. Mixing box with dampers is required.
- Ductwork shall be sheet metal – Fiberboard is not allowed. Ductwork shall be medium pressure to the VAV boxes and low pressure from the VAV box to the outlets.

All ductwork shall be lined.

Soil, Waste, Vent and Rainwater Piping:

- Soil and waste piping for sewer and rainwater shall be cast iron service weight hub and spigot below grade with no hub above ground.
- Vent piping shall be either service weight cast iron no hub or galvanized steel.

DIVISION 16 - ELECTRICAL

Reference Standards:

Comply with the following codes and standards. Where conflicts arise between codes and standards, or between standards and other information contained in program criteria, obtain clarification from the Owner's representative prior to submitting bid. Where differing interpretations occur, the most stringent (usually recognized as being the most costly) interpretation shall govern.

- ANSI (applicable sections)
- ASHRAE 90.1, 1999
- DFCM "Design Criteria for Architects and Engineers".
- EIA/TIA standards for telecommunications pathways and cabling.
- IESNA Lighting Handbook and Recommended Practices as applicable.
- LEED (Leadership in Energy & Environmental Design).
- National Electrical Safety Code (as applicable).
- NEMA
- NFPA 70, The National Electrical Code; and other applicable NFPA sections.
- State of Utah Fire Marshal Requirements.
- UL (applicable sections)

Conductors:

- 600 V and below: Copper, THHN/THWN-2, in raceway.
- #10 AWG neutral size for multi-circuit homeruns serving highly non-linear loads.
- MC or AC type cable is not allowed.

Raceways:

- Types: EMT, IMC, RMC, flexible steel conduit, liquid-tight metal conduit, PVC schedule 40.
- Size: Minimum ¾"C for EMT, IMC, RMC; ½"C for flexible conduit or low-voltage wiring.
- Cable Tray: Aluminum, Ladder type, trapeze supported.
- Wireways: NEC requirements.
- Surface Raceways, where approved by Owner: Metallic.
- Underfloor Raceways: Type suitable for application with flush service fittings, brass cover plates.
- Indoor Wiring Methods: EMT where concealed and not subject to physical damage; IMC or RMC where subject to physical damage; flexible metal conduit for connections to vibrating equipment and for light fixture whips, liquid tight flexible metal conduit where subject to moisture.
- Outdoor Wiring Methods: Rigid galvanized metal conduit where exposed; liquid-tight flexible metal conduit for connections to vibrating equipment. Group all penetrations through roofs.
- Underground Wiring Methods: PVC; bends greater than 22 degrees and penetrations through floors or foundations shall be wrapped or coated rigid metal conduit; concrete-encase raceways for medium voltage distribution, main electrical service entrance and telecommunications duct banks, unless the raceways are beneath the building slab.
- Voice/Data/Audio/Visual Cabling Raceway Provisions: EMT or IMC for concealed and inaccessible areas; cable tray above accessible ceilings; provide pull strings in all empty raceway.

Electrical Service and Distribution:

- Panelboards: NEMA PB 1, UL 50, 61, bolt-on circuit breakers, copper bus.
- Switchboards: Front-connected, front accessible with fixed main device and panel mounted branches, sections rear aligned; copper bus.
- Molded Case Circuit Breakers: UL 489, NEMA AB 1.
- Solid State, Adjustable Circuit Breakers: For main and distribution devices 225A and over.
- Cartridge Fuses: ANSI/IEEE FU 1, nonrenewable, non-interchangeable; class RK5 for motor circuits; class J or RK1 for lighting and appliance feeders.

- Motor Controllers: manual thermal switch and magnetic FVNR types.
- Variable Frequency Drives: 15% THD filters, bypass, disconnect switch; comply with DFCM and Campus criteria.
- Disconnect Switches: Suitable for use.
- Grounding: NEC; UL 467; copper conductors; equipment grounding conductors in all raceways.
- Fault Current Ratings: All equipment rated for fault current availability at installed point of system.
- Transient Voltage Surge Suppression (TVSS): UL 1449 2nd Edition; 240,000A per phase for main service, 160,000 per phase for panelboards service computers or other sensitive electronic equipment.
- Spare capacity: 25% in main service, feeders, distribution boards, panelboards, transformers, and circuits.
- Space and Future Provisions: 25%

Wiring Devices:

- Duplex Receptacles: UL 498, 20 amp Federal Spec with nylon or lexan faceplate and thermoset base.
- Switches: UL 20, 20 amp FS with thermoplastic face and thermoset base.
- Dimmer Switches, Incandescent Lamps: NEMA WD 1, solid state modular dimmer switches, 120 volts, slider type; sized 25% larger than connected load.
- Floor Service Outlets: flush floor boxes with single or combination outlets; brass cover plates.

Lighting Fixtures:

- Ballasts: electronic, 20% THD, programmable start (unless not available).
- Fluorescent fixtures: UL 1570.
- Fluorescent Lamps: Minimum CRI rating of 82 and 64 lumens per watt (except in specialized applications). Comply with EPA TCLP requirements. Use 4' T-8 lamps wherever possible ; minimum CRI of 88.
- HID Fixtures: UL 1572; metal halide or high pressure sodium.
- Incandescent: UL 1571.
- Lensed Fixtures: minimum 1/8" thick lens.

- Parabolic Fixtures: specular silver, 3" deep cells.
- Exit Signs: UL 924, LED type with diffuse illuminated panel while exceeding NFPA requirements.
- Emergency Lighting: UL 924, emergency lighting fixture units.
- Exterior Light Poles: Metal poles suitable for 100 MPH winds.

Lighting Control:

- Programmable Lighting Control/Dimming System: UL 916, multiple remote addressable microprocessor control units operating in a multiplexed distributed control system or as part of a network under the control of a central microcomputer; dimmer and relay channels; building management system interface for common area and exterior lighting control.
- Occupancy Sensors: UL listed, class 2; infrared and ultrasonic types suitable for application
- Photoelectric Relays: UL 773A, outdoor and indoor types; adjustable sensitivity.

Uninterruptible Power Supply (UPS):

- Not required.

Generator:

- Not required.

Fire Alarm:

- System: Zoned, non-coded, analog-addressable, micro-processor based fire detection and alarm system with manual and automatic initiation.
- Smoke Detectors: UL 268, self-restoring type with visual indicator; photoelectric and ionization types.
- Thermal Detectors: fixed temperature and rate-of-rise types.
- Duct Detectors: ionization type with sampling tube; relays for fan shutdown.
- Fire Alarm Horns: electronic type operating at 24 VDC; minimum sound pressure level of 90 dB 10' from source; temporal coding.

- Visual Alarm Devices: strobe lights complying with ADA and NFPA requirements; synchronized.
- Annunciator(s): Suitable for application.
- Dialer: Digital type; arrange to send signals to off site monitoring service.
- Wiring: Class A, install in raceway (3/4" minimum).

Voice and Data Cabling:

- Empty raceway only. Cabling is provided by DFCM IT group.

Clocks:

- Battery type.

TV Distribution:

- Cabling and outlets in selected locations.

Public Address:

- Not required.

Security:

- Exterior doors alarmed and with card access.
- Selected interior doors alarmed and with card access.
- Proximity-type card access system with host computer.

Intercom:

- Not required.

Sound Masking:

- Not required.

Audio/Visual:

- Projector part of FF&E budget.

ARCHITECTURAL:

Codes, Standards, and Jurisdiction:

The new Price DNR Regional Administration facility shall be designed and constructed to meet all current building codes and regulations as adopted by the State of Utah. In addition to this, requirements of the Department of Justice Americans with Disabilities Act, and current DFCM Design and CADD Criteria shall be met. The design should exceed the requirements of ASHRAE 90.1. and Leed points equal or in excess of 33 to 38, a silver rating.

Although not required, the requirements of Price's Zoning should be considered during design. DFCM and the designer should consider "courtesy reviews" of the design with Prices' Zoning Department.

The primary Code Authority having jurisdiction is the State of Utah, Division of Facilities Construction & Management. Other authorities having jurisdiction of specific building systems, may include but are not limited to the Labor-Industrial Commission of Utah, Office of the State Fire Marshal, the Department of Occupational Safety and Health, and the State of Utah Department of Health.

Occupancy Classification:

The building at 12,700 square feet is a Business Group - B occupancy. The building is assumed to be a single story, and shall be sprinkled. Based on this information the buildings' construction type may be one of the following:

- TYPE I – A or B
- TYPE II – A or B
- TYPE III – A or B
- TYPE IV
- TYPE V – A or B (sprinkled)

Circulation:

General circulation should be defined, simple, and direct. ADA accessibility into and through facility, are areas of special concern. Automatic door openers are required by the Building Board on one each of the doors to the toilet facilities.

Protection of walls and corners along the path of carts must be considered and provided for. A vinyl corner guard at wall corners and edges in corridors are required. At exterior delivery areas, balusters need to be provided for the protection of building elements from vehicular damage.

Aesthetics:

Integral to the design, is the overall appearance of the facility. Consideration of scale, massing, texture, material, context, and detail along with individual design philosophies must be incorporated into the building's design.

For both visitors and staff, the building should be comfortable, warm, inviting, and blend with the existing desert environment. The building should have a park Building appearance with a sloped metal standing seamed roof, with natural finishes such as stone or wood. It is also important to promote architectural aesthetics within the community.

Maintenance and Operations:

The buildings should be designed for a life of 50 plus years. Major building system life cycles, must be considered. Standard system replacement cycles shall be kept to a minimum within the buildings life cycles.

When selecting materials, and building systems, ease of maintenance and operation must be evaluated. Maintenance staff should be included in this evaluation process.

Individual Building Flexibility and Expansion:

DNR's programs and functions continually grow and change. Flexibility for ease of remodel must be considered. This flexibility for easy adaptation to change is to be incorporated in the design.

To accommodate flexibility and conformity to state standards, a standard structural building module should be used. This may be shifted to provide texture and scale to the building.

The siting also must accommodate possible expansion. The future addition of out buildings must be accommodated.

Future Projects:

In conjunction with the new DNR office building project future out buildings are planned. The general size of these structures are noted in the program. A future more detailed program will be developed when the buildings are to be built.

Site-work:

The new building will be located XXX. Landscaping including irrigation will be required. Xeroscape is required with irrigation as a backup during establishment of the landscape and to provide extra water during extreme dry conditions.

Building:

Offices:

Location: Support functions should be grouped to be shared by all building occupants; copy center, secretary/reception, and conference rooms. This

group should be central in the building and as with the reception area close to public access.

Offices: Most offices are assigned only per Utah State Space Standards. They should be located in proximity to the departments/sections they are affiliated with. They should also be grouped to the greatest extent possible in order to provide flexibility to accommodate changes in office demographics.

The Open Office area should remain a single space to the greatest extent possible. This not only allows for flexibility, it is the most efficient use of space and area.

Secretary/Reception: The secretary/reception area provides guidance to outside visitors as well as secretarial support to the staff and area for sales. This area should be the most central, allowing each support staff for the various departments' adjacencies to their departments and to the reception of the public at a single point.

An option to this would be the addition of a receptionist who would direct the public to different areas where the different departments would also provide a second point of reception. This option is less efficient and difficult to control for security. In a facility this small this option is not recommended.

Copy/Storage: This area should be central to all faculties.

Conference: The small conference room is for staff consultation. It is particularly useful for staff without private offices who need to meet privately with the public or other staff.

The large conference room is for larger staff and public meetings.

Casework: Casework needs to be simple, and kept to a minimum. Specific requirements are noted on the individual sheets. The following are general requirements to be incorporated into the design.

Support areas: Shelving should be kept open and adjustable. Shelf depth should be equally divided between 12" and 18" deep shelves. At counters, provide a built-in base cabinet with one adjustable shelf and single drawer. Provide base cabinets at all sinks. At reception counter provide for three computer stations, a cash register, and printers in close proximity.

STRUCTURAL:

This program is based on the structural requirements of the 2000 International Building Code (IBC) as adopted by the Utah State Building Board including:

Loads:

Roof Loads: For the entire weight of the roof framing and enclosure system. Live loads from snow, rain on snow (icy water) and snowdrifts due to differences in elevations of roof areas.

Roof Snow (Pf): 30 psf for Price at Elev. 5600 ft. in Carbon County in accordance with the Building Code and Section 7 of ASCE 7.

Rain on Snow: 5 psf

Drifts in accordance with Section 7 of ASCE 7 using a ground snow load (Pg) of 43 psf. Snow load need not be included with the seismic weight.

Floor Loads: Requirements are not applicable. This program indicates that the building is to be one level on grade.

Floor Loads: For the entire weight of the framing system, finishes, mechanical equipment and any other permanently installed components are considered "dead loads". "Live Loads" depend on the functional use of an area:

Minimum for offices and other administrative areas: 80 psf plus 20 psf for partitions.

Exiting: stairways, landings, corridors, etc.: 100 psf

Deflection and vibration criteria should be based on 1/360 of any span in question.

Horizontal Loads: Horizontal loads which the building must resist, include wind and earthquake forces. Every building component must resist the most severe effects of either force combined with other loads as defined in the IBC.

Wind forces should be based on a 70 mph basic speed with an Exposure "B" to appropriate heights on the structure as a whole and on individual elements and components.

Seismic forces and design should be derived for an IBC Building Use Group I and Design Category "D". Site specific parameters should be based on a Site Class "E" and Spectral Response Accelerations: at short periods ($S_s = 0.50$) and at 1 second period ($S_1 = 0.20$) unless noted otherwise in a site specific geotechnical report. Use Seismic Force Procedures with appropriate factors (R, etc.) for the Structural Systems chosen. Detailing requirements for specific materials shall conform to IBC Table 1617.6.

Portions of the applied Live Loads need not be included in the determination of the building mass for seismic forces.

The Importance Factor for horizontal loads based on an occupancy category I for Buildings and other Structures should be used with a value of 1.00.

Equipment Loads: For specialized items in specific functional areas include:

HVAC may be located on the roof or on the ground either outside or within the new building. If on the roof, loads from the weight and seismic forces generated by the larger (greater than 300 lb.) pieces of equipment must be considered in the design on the building.

A transformer and any generators or UPS should be located on a concrete pad on grade. These units could weigh 10,000 lbs, with a loaded area of 40 sq. ft. in plan and require seismic bracing.

Communication dishes installed as part of this project or at a later date could be located on a platform on a flat roof or mounted on building surfaces: walls or a sloped roof. Gravity loads for a flat roof installation could include ballast against overturning due to wind. Wind loading must be considered.

Framing Systems:

The project as described in the program text should use conventional structural framing systems to meet the requirements of the architecture. Functional requirements should not require unique or unusual systems. Maintenance and durability should be considered in the selection of materials.

Serviceability requirements should be considered in addition to load requirements stated above. This includes roof deflection requirements appropriate for specific materials and systems.

Building structure including floors at grade must be placed in accordance with geotechnical recommendations due to the sensitive nature of soils within the Price area. Floors at grade may need to be framed or placed on replacement fill due to low bearing capacities and/or expansive soil concerns. Framing systems chosen to support the loads noted above and to meet other architectural requirements may need to keep loads dispersed or concentrated.

Roof systems must support loads as required above within the functional and aesthetic requirements of the Architecture. Long spans or heavy roof loads are not anticipated. Consideration should be made for the potential for snowdrifts on sloping roofs.

Geotechnical Requirements:

Parameters for building foundations and allowable load values must be identified in a Geotechnical Report. The Price area is known for unusual and difficult geotechnical requirements.

The text of two soils reports for adjacent properties has been provided by the owner. These reports include conflicting recommendations such as for the depth of replacement fill and allowable bearing pressures. These reports could be used

for this project with the most conservative recommendations taken. In this case the Geotechnical Engineers who made these original recommendations should be consulted.

The owner may provide a new site specific Soils or Geotechnical Report. It should include recommendations for:

- Foundation systems compatible with potential building framing systems and anticipated loads. This may include recommendations for either shallow dispersed foundations or concentrated and deep foundation systems or both.
 1. Allowable soil bearing pressures for shallow dispersed systems such as spot and spread footings on replacement fill and slab on grade construction.
 2. Concentrated or deep systems such as spot footings or caissons and framed floor construction.
 3. Other soil loading parameters consistent with the recommended foundation systems.
 4. Any and all recommendations deemed pertinent and appropriate to the geotechnical engineer for foundation systems at this site considering the building may or may not be placed at grade.
- Site Specific Seismic Recommendations including the Site Class with any potential for proximity to active faults and Spectral Response Accelerations or confirm the values listed above.
- Confirm the locally required footing depth for frost protection of 30 inches.
- Additional recommendations for the following, may or may not be required or appropriate:
 1. The depth of shale "bedrock" across the entire site and the bearing capacity of foundations, either piers or concrete spot footings, on this shale. Allowable soil bearing capacities between the surface and any shale bedrock layer.
 2. Soil sensitivity to moisture at the site – expansive and compressive potentials of the soils, etc.
 3. The depth of the water table across the entire site including seasonal fluctuations and direction of any flow.

4. Corrosive properties that would affect concrete and reinforcing steel.
5. Lateral earth pressures and design recommendations for permanent building excavations and temporary trenching.
6. Fill requirements if appropriate or as required for vehicular areas.

MECHANICAL:

General:

The proposed project involves one multistory building housing the departments as noted. Building is to have its own diverse mechanical requirements

The Building is of the size associated with using commercial / institutional type equipment.

Occupancy pattern for this facility is standard office for 7:00 am to 10:00 pm Monday thru Friday with some spaces not used at any given time periods. Periods of use will vary with time of day, day of week and time of year. Usage is heaviest in the mornings. Some Saturday time is anticipated.

Design Criteria:

The design criterion for the new building is derived from a number of sources. Code requirements define certain requirements and levels of performance. Published criteria from DFCM define expectation of owner in terms of nature and function of mechanical systems.

The latest edition of the following codes and standards define most of the guidelines that shall be used in the mechanical design:

- Life Safety Codes
- International Building Code (IBC)
- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- National Electrical Code (NEC)
- National Fire Protection Association (NFPA)
- ASHRAE 90.1 Energy Code
- ASHRAE Standard for Ventilation 62-01 State Boiler and Pressure Vessel Rules and Regulations
- American Gas Association (AGA)
- ASHRAE Guides and Standards (ASHRAE)

- American Society of Mechanical Engineers (ASME)
- American Standards Association (ASA)
- American Refrigeration Institute (ARI)
- American Society of Testing Materials (ASTM)
- American Conference of Government Industrial Hygienists (ACCGIH)
- Sheet Metal and Air Conditioning Contractors National Association (SMACNA)
- Occupational Safety and Health Administration (OSHA)
- Utah Occupational Safety and Health Administration (OSHA)
- Department of Natural Resource Standards and Guidelines.
- Utah State Division Of Facilities and Construction Management ~ Architect / Engineer Design Guide.
- ASHRAE Handbooks
- ASHRAE Standards
- DFCM Indoor Air Quality Criteria

Design Conditions:

<u>Design Condition</u>	<u>Summer</u>	<u>Winter</u>
Ambient: (ASHRAE 2-1/2% 97%)	92°Fdb 65°Fwb	1°Fdb
Elevation: 5680 Feet	-	-
Lat / Long: 39° 37' / 110° 50'	-	-
Indoor Conditions:	74°	74°F
Envelope U-Values:	Utah Energy Code or Stricter of:	
Roof:	0.05	
Wall:	0.05-0.07	
Fenestration:	U=0.5±	
	SC≤0.50	
Hollow Metal Doors:	U=0.6	
Ventilation Rates:	ASHRAE 62.89 Requirements or ALGIH Requirements	
Internal Heat Gain:		
People:	ASHRAE Estimates for Level Activity	
Equipment:	ASHRAE Estimates for Following:	
	<input type="checkbox"/> Computers	
	<input type="checkbox"/> Copy Machines	

□ TV Monitors

Lights: Assume 2.5 Watts/Sq. Ft.
general adjust for special occupancy or task
requirements.

General Building Construction:

The design of the mechanical systems shall comply with the current Utah State Division of Facilities and Construction Management Architect / Engineer Design Guide and locally applicable building codes.

The design of the mechanical systems shall insure a safe, economical, and low maintenance service.

The design of the mechanical systems shall provide for a good quality of IAQ to meet current DFCM, ASHRAE, ACGIH, and UOSHA requirements.

Design mechanical systems for energy conservation. Comply with all requirements of ASHRAE/IES 90.1 1989. Coordinate building envelope design with Architect to insure on energy efficient envelope that will allow for an efficient mechanical design.

Design mechanical systems and equipment having a proven track record of providing safe, high quality, and energy efficient environment control. Review specific brands with staff to evaluate preferred sources.

Evaluate various alternatives for mechanical systems with consideration given to both initial and life cycle cost implications.

Design automatic temperature control systems and sequences suitable for the intended building functions and occupancy requirements. System shall be DDC type systems include local PC head end, software and modem interface.

Heating Venting and Air Conditioning:

Design the building HVAC systems to accommodate the intended space functions and occupancy requirements in accordance with current ASHRAE standards

Heating System

Heating source shall hot water provided from a hot water boiler. 180°F hot water shall be distributed through a two pipe direct return system to coils located in the air handling units and VAV boxes located throughout the building.

Hot water system shall consist of hot water distribution pump, standby pump, air eliminator and compression tank complete with automatic make-up water system.

Hot water shall also be distributed to pre-heat coils located in each VAV air handling unit and pre-heat coils located upstream of each VAV box.

Cooling System

Cooling source shall be chilled water provided from either an air cooled or water cooled chiller. Central chilled water supply and return piping shall be distributed to the air-handling units.

Coil circulating inline pumps shall be provided for each air-handling unit.

Air Systems

Air system for the building shall be by central station VAV air handling units. The number and location shall be determined by space location requirements and economics. Air handling units shall be of the VAV type with variable frequency drives to assist in varying the air flow and maintaining space static pressure. Each control zone shall be provided with a VAV box, preheat coil and controlling thermostat.

All filters shall be throwaway type, and shall be standard sizes.

All ductwork shall be metal; fiberboard ductwork is not acceptable.

Plumbing Systems:

Design plumbing systems to meet IPC requirements as adopted by State of Utah, and DFCM Guidelines.

Provide domestic hot water as required. Do not use building heating system to provide culinary hot water.

ADA plumbing fixtures shall be used within this building. Automatic shut-off shall be provided for all lavatories and urinals. Provide regular flush valves for the water closets. Flush valve manufacturer shall be Sloan.

Fire Protection: Provide fire sprinkler protection suitable for the building type and occupancy. Systems shall comply with NFPA, local fire marshall and Utah State Fire Marshall requirements, and be designed by a fire protection engineer licensed by the state of Utah.

UTILITIES:

Water:

The new culinary water distribution system shall connect to the city main. Water service piping shall enter the new building into a building pressure reducing station and main building shut-off valve.

Sewer:

Building sewer line shall exit the new facilities and connect into the city main line.

ELECTRICAL:

General:

Codes which are directly applicable to design of the electrical systems are listed below. Comply with each of the latest adopted publications. It is not the intent of this program to restate, contradict or reduce requirements of any of these codes and standards. They are an integral part of this program and the requirements of the project. In case of conflicts between these standards or with program requirements, the designer/contractor shall obtain written clarification prior to submitting proposal. Where discrepancies or multiple interpretations occur, the most stringent (which is generally recognized as the most costly) shall be enforced.

ADA, Americans with Disabilities Act

ASHRAE 90.1 Energy Code

DFCM, Division of Facilities Construction and Management, Design Criteria

EIA/TIA, Electronics Industries Association/Telecommunications Industry Association

IBC 2000, International Building Code

IESNA, Illuminating Engineering Society of North America

NFPA, National Fire Protection Association (applicable sections including but not limited to):

NFPA 70, National Electrical Code

NFPA 72, National Fire Alarm Code

UBC, Uniform Building Code

UMC, Uniform Mechanical Code

UL, Underwriter's Laboratories
Utah State Fire Marshal Laws, Rules and Regulations

The intent of this document is to set forth constraints and establish minimum levels of function and quality. Wherever possible, an attempt is made to identify quantities, however, it is recognized that final quantities and exact locations of every device or equipment item cannot be determined at the program level and that this is a function of the final design solution to the program. The designer is responsible for using this program as the minimum requirements and continuing the design process and coordination with the design team and end users to ensure that complete, functioning systems are delivered that meet the needs of the users.

Raceways and Conductors:

Design all wiring in raceways, minimum ¾" C. All conductors shall be copper.

Design cable tray system so that station cable raceways do not extend more than 50' max to cable tray. Conduits shall stub to the cable tray. Include pull strings in all empty conduits. Include raceway for all technology systems whether furnished as part of the construction contract or furnished by the Owner. Where indicated, provide empty raceway for security systems.

Stub empty conduits to 6 ea. future "outback" buildings for telephone and electrical service.

Electrical Service and Distribution:

Coordinate electrical service to the building with the local power utility and included all requirements as part of the design and building cost. Electrical service to the building shall be 120/208 volt, 3-phase, 4-wire. Provide a pulse-type energy and demand meter at the main service with conduit and cabling to interface with the building management system (BMS). Coordinate with the BMS installer so that the metering information is fully programmed and reported through the BMS terminals.

To the greatest extent possible, separate different types of loads onto different feeders and load centers, such as motors, lighting, convenience power and "clean" computer power. In general, large motors and equipment shall be served at 208V, 3 phase; lighting, outlets and small equipment at 120V. Verify voltage requirements with each specific equipment item.

Provide motor control centers for areas where 3 or more motors are grouped. All 3-phase motors shall be provided with phase-loss protection. Provide

variable frequency drives where required for mechanical equipment in compliance with DFCM and campus requirements.

Panelboards shall be provided in a dedicated electrical room. The new electrical room shall be centrally located as much as possible, while taking into account other building and architectural considerations. This room shall be dedicated to electrical distribution and shall not be used for storage or any other purposes. Consideration shall be given to the ease and accessibility of running new and future conduits out of the room. If inaccessible ceilings surround the room, then stub (5) spare 3/4" conduits from each panelboard to accessible ceiling areas.

Panelboards and other distribution equipment shall be provided with 25% spare capacity and spaces/spares for future growth and flexibility. Electrical equipment rooms shall have 25% additional space for future equipment. Design system to minimize shutdowns for future additions or work.

Branch circuits shall be loaded to no more than 80% of what is allowed by NFPA 70. Where outlets are intended for a specific piece of equipment, the load of the outlet shall be based on the equipment nameplate. Otherwise, allow no more than 6 convenience outlets per circuit or 4 outlets per circuit serving workstation computer terminals. Outlets with dedicated branch circuits (one outlet per circuit) are required for vending machines, copy machines, break room counters, A/V cabinets and other locations likely to have equipment requiring dedicated circuits. Each branch circuit homerun shall have no more than 3 circuits per raceway. For circuits serving electronic equipment, provide oversized neutral for each group of 3 circuits, or provide a dedicated neutral conductor per circuit.

Equipment and Furniture: It is the responsibility of the design engineer to obtain equipment catalog sheets and installation diagrams and include power and raceway for all equipment requiring electrical connections. All equipment and furniture required by the Owner/end user, whether it is furnished in this contract or a separate contract, shall be provided with power and raceway rough-in for complete operation. Coordinate furniture connections with furniture systems suppliers.

Conductors for branch circuits shall be sized to prevent voltage drop exceeding 3% at the farthest load. The total voltage drop on both feeders and branch circuits shall not exceed 5%. When calculating the voltage drop, the load shall be assumed to be 80% of the ampacity of the branch circuit and feeder conductors.

A fault current and coordination study shall be performed by a licensed electrical engineer to indicate available fault current at all points in the distribution system. New equipment shall be adequately rated for the amount of available fault current. System coordination shall be studied, and fuses or breakers selected to ensure minimum system outage due to overloads or fault currents. Breakers with adjustable long time, short time, instantaneous and/or ground fault settings shall be set at levels for optimum system coordination.

Provide transient voltage surge suppression (TVSS) and "noise" protection at service equipment (each main) and on branch panelboards in the facility which serve computer terminals. TVSS units may be integral to the panelboard or switchboard, or individually mounted "stand-alone" units. However, if individual units are used, they shall be placed immediately adjacent to the panelboard or switchboard to minimize the effects of increasing clamping voltages due to excessive lead lengths.

Outlets

Refer to program and space plan sheets for minimum quantities. Where requirements cannot be identified, the following shall be used as a general guideline. Each outlet location shall be coordinated with the design team and end user during the design.

Offices: For each workstation, provide one outlet dedicated to computer terminals and one normal outlet, and one additional normal outlet for every 10' of wall space.

Open Office Areas: Provide either one quad power/telecomm floor outlet per workstation, or provide connections to electrified furniture systems. Coordinate requirements with Owner during the design. Power poles are not allowed.

Conference Rooms: One outlet for every 10' of wall space, plus one outlet dedicate to computer terminals on two walls.

Lounges/Breakrooms: Outlets on dedicated circuits every 4' on counter top plus dedicated outlets for refrigerator, microwave, and disposal (switched at counter top), plus one outlet for every 10' of other wall space in room.

Counter tops (in general): One outlet every 4'; GFI where within 8' of a sink.

Restrooms/Shower Rooms: One GFI outlet near each lavatory counter top.

Corridors, Lobbies: Provide at least one outlet every 25', on alternating sides of the corridor or lobby.

Stairs: One outlet at the landing of each level.

Storage Rooms (small), Janitors Closets: One outlet.

Building Exterior: One WP/GFI outlet near each entrance.

Other Areas: Refer to individual space plan data sheets, and where not defined allow one outlet for each 40 square feet of space and coordinate requirements with user during design.

Lighting:

Comply with illuminance levels and uniformity criteria of IES Recommended Practices. Comply with RP1-93 "Office Lighting", RP-8-00 "Roadway Lighting", RP-20-98 "Lighting for Parking Facilities", and RP-33-99 "Lighting for Exterior Environments". For exterior lighting, indirect lighting, and other specialized task lighting provide point-by-point plot of illuminance establishing conformance with the Recommended Practices. Use exterior lighting fixtures that minimize light pollution. Except for specialized applications, design lighting with a minimum efficacy of 64 lumens per watt. Specify maximum 20% THD electronic ballasts. In addition, design lighting with a CRI exceeding 82, except in storage, mechanical, electrical, and similar nonpublic applications. Where appropriate, minimize number of lamp types utilized. Use 4' T-8 lamps with CRI of 88 or greater wherever possible. Specify lamps complying with EPA TCLP requirements.

Energy efficiency will be an important consideration in the selection of the design-build team. Comply with ASHRAE 90.1 requirements, except that the unit power density targets should be reduced by at least 25%. Design lighting control to harvest daylighting where practical, to control based upon occupancy, and according to programmable scheduling as applicable to the application. It is desirable achieve a LEED (Leadership in Energy & Environmental Design) rating of at least the "Silver" level. The methods used to achieve this shall be specifically stated in the proposal for evaluation by the selection committee.

Parking, Pedestrian, and Street Lighting:

Select low-glare luminaires using HID lamps compatible with the surroundings. Control exterior lighting utilizing combination photocell and time schedule control, from the building management system. Design parking areas to comply with RP-20-98. Design pedestrian areas to comply with RP-8. For each of these areas design two level lighting so that from 11:00 PM to dawn the illuminance level reduces to a minimum level. Consider "dark sky" issues in selection of luminaires. Include any required street lighting.

Interior Lighting:

Comply with RP-1-93 for office lighting. In general, utilize low glare T-8 fluorescent lighting with electronic ballasts. Select luminaires for areas where VDTs are planned which are designed to minimize veiling reflections, and provide multilevel lighting control and task lighting to reduce the illuminance on the VDT. Acrylic lensed fixtures are not acceptable for VDT environments.

Select occupancy sensors for the appropriate applications and control for daylight harvesting. Specify dual technology ceiling mounted directional sensors in private offices and small rooms with manual off switches. Specify ultrasonic sensors in restrooms. Specify programmable lighting control with manual timed overrides in all common areas such as open offices, corridors, lobbies, and similar areas. Integrate lighting control with the building management system. Provide a minimal amount of unswitched night lights throughout the corridor systems.

Design exit lighting to comply with IBC. Design emergency lighting for means of egress to 1 fc minimum to comply with IBC. Include emergency lighting in restrooms, electrical rooms, and communication rooms.

Interior Lighting		
Task	Illuminance (fc)	Control
Conference Rooms (without fixed audiovisual)	15/50*	Occupancy Sensor with multi-zone switching and dimming.
Toilet Rooms	20	Occupancy sensors, unswitched emergency

		lighting
Storage, Active	30	Occupancy sensors
Storage Rooms, Inactive	10	Occupancy sensors
Corridors	1/20	Unswitched emergency lighting, programmable lighting control for corridor lighting
Lobbies, Reception Areas General Lighting	30	Multiple Switches plus programmable lighting control.
Office Lighting	50	Occupancy Sensor with manual off.
Mechanical, Electrical	20	Switch for normal and emergency lighting
Janitorial	20	Occupancy Sensor
* Maximize CRI for selected lamp type		

Fire Alarm and Life Safety:

Comply with Utah State Fire Marshall's "Rules and Regulations". Design an addressable system to meet all applicable codes. Design strobes visible from all locations except private offices. Design horns to comply with NFC including for higher ambient noise requirements. Include fan shutdown and closing of smoke dampers upon alarm.

TV Distribution:

TV distribution system shall include capacity for distributing RF modulated broadband audio and video signals to each conference room and training room with between +5dBu and +10dBu at each outlet. Design 3/4" raceway for

TV distribution. Design wall bracket for TVs (coordinate bracket with TVs furnished by User).

Telecommunications:

The voice and data cabling will be provided by the DFCM IT group. Coordinate all raceways and power for IT cabling and equipment with the IT group. Provide a new main telecommunications closet and locate such that when cabling is routed through the raceway system provided, the distance will not exceed 290 feet to the furthest outlet. Provide a minimum of two 4" conduits from the closet to the telecommunications service provider at the property line.

Provide a cable tray distribution network throughout the building and into the main closet. Extend the cable tray around inside of the closet to allow cables to be routed within the room. Consider ease of access to the tray system when the building is in full operation. Limit cable tray routing to be above corridors, common and similar areas. Where ceilings are exposed or inaccessible, then provide a bridge of equivalent conduit connecting the cable trays in the accessible ceiling areas. It will be the designer's responsibility to size the cable tray and raceway system for the intended cabling installation. Do not load the cable tray and raceway system to more than 50% of what is allowed by cable fill requirements of NFPA 70.

Each voice/data outlet location shall consist of a 4" square box with mud ring and one 3/4" conduit stubbed to the nearest cable tray. Refer to each program for quantities and coordinate exact locations with the users during design. As a minimum, provide one voice/data drop for each workstation, fax machine, copy machine, desk and computer terminal. Allow one voice/data box per 80 square feet for areas that are not specifically defined.

Security:

Provide a complete proximity-type card access and intrusion detection system for the building. Card access and door monitoring shall be provide on all exterior doors, and on interior doors serving the Narcotics Storage, Evidence Storage and Evidence Holding rooms. System shall include a host main computer terminal for programming and receiving alarms. Alarms shall also be automatically reported to the local law enforcement dispatch center. A CCTV system is not required.